

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
549933	AA102526	1	1	31.53	1	31.53	31.53	31.53	dependent
323238	W42723	14.46	16.53	409.69	49.59	28.32	24.79	8.26	partial
501430	AA115248	3.36	3.66	75.61	38.18	22.48	20.67	1.98	independent
666371	AA232645	5.79	4.26	108.69	9.71	18.76	25.52	11.19	dependent
139009	R62612	16.54	6.62	290.53	97.2	17.57	43.88	2.99	partial
714106	AA284668	35.77	23.4	495.02	44.91	13.84	21.16	11.02	dependent
341328	W58092	17.96	13.62	242.52	108.64	13.51	17.81	2.23	partial
310406	N98591	2.45	1.8	32.28	5.5	13.19	17.91	5.86	partial
257960	N30747	11.96	28.97	156.16	52.05	13.06	5.39	3	partial
813242	AA455904	1	1.24	12.85	1.35	12.85	10.38	9.49	dependent
129840	R17044	4.97	9.24	62.96	39.16	12.66	6.81	1.61	independent
811062	AA485441	33.5	78.75	409.91	201.92	12.24	5.21	2.03	partial
324437	W46900	10.97	9.45	133.65	16.02	12.18	14.14	8.34	dependent
81129	T69926	61.84	26.62	749.82	442.11	12.13	28.17	1.7	independent
1031599	AA609485	2.17	2.98	24.62	17.77	11.33	8.27	1.39	independent
77133	T50633	7.72	14.32	86.67	50.28	11.23	6.05	1.72	independent
857287	AA669710	6.65	30.43	73.23	41.89	11.01	2.41	1.75	independent
757961	AA436871	6.84	6.76	75.13	47.95	10.99	11.12	1.57	independent
139009	R62612	19.29	14.59	206.7	63.18	10.71	14.16	3.27	partial
123408	R00395	3.95	6.72	42.1	24.61	10.65	6.26	1.71	independent
826072	AA521394	2.03	2.53	21.33	4.89	10.51	8.43	4.36	partial
296155	W00895	12.39	13.87	128.57	55.22	10.37	9.27	2.33	partial
130057	R20886	7.33	2.9	75.64	23.05	10.32	26.09	3.28	partial
292522	N91307	9.33	6.8	95.46	49.3	10.23	14.04	1.94	independent
292515	N68465	18.25	32.86	186.78	77.24	10.23	5.68	2.42	partial
293924	N63940	9.48	10.74	96.95	40.15	10.22	9.03	2.41	partial
664975	AA194833	218.16	212.83	2172.97	381.46	9.96	10.21	5.7	dependent
132142	R26164	3.43	7.92	34.03	33.41	9.92	4.3	1.02	independent
754393	AA436192	2	4.42	19.88	18.3	9.92	4.5	1.09	independent
144777	R76263	21.33	39.67	206.26	117.07	9.67	5.2	1.76	independent
840404	AA485653	6	9.01	58.02	56.38	9.67	6.44	1.03	independent
843352	AA489400	70.82	59.82	680.52	525.93	9.61	11.38	1.29	independent
50754	H18070	6.45	7.43	61.78	47.65	9.58	8.32	1.3	independent
813841	AA453728	6.67	5.06	62.92	5.55	9.43	12.44	11.34	dependent
754026	AA479976	107.46	51.35	1008.02	438.04	9.38	19.63	2.3	partial
628955	AA194765	4.89	3.62	44.96	32.58	9.19	12.43	1.38	independent
327245	AA284291	17.19	20.91	155.93	90.2	9.07	7.46	1.73	independent
415264	W92011	3	3.14	26.55	15.3	8.85	8.45	1.74	independent
134270	R31168	6.64	13.52	58.41	58.89	8.8	4.32	0.99	independent
138021	R63197	13.73	15.44	120.16	89.57	8.75	7.78	1.34	independent
244652	N52911	82.55	141.41	716.74	501.01	8.68	5.07	1.43	independent
415406	W80389	5.27	5.61	45.39	30.75	8.61	8.09	1.48	independent
50188	H17158	13.8	15.65	117.57	86.97	8.52	7.51	1.35	independent
810444	AA457114	24.66	13.46	209.76	55.49	8.51	15.58	3.78	partial
815503	AA456869	8.71	18.82	72.16	75.08	8.29	3.83	0.96	independent

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526657	AA133129	65.66	45.62	532.42	449.36	8.11	11.67	1.18	independent
134172	R30957	26.07	44.83	209.27	176.38	8.03	4.67	1.19	independent
232789	H73947	8.11	11.66	65.06	63.98	8.02	5.58	1.02	independent
135083	R33030	84.99	86.2	679.32	581.6	7.99	7.88	1.17	independent
811942	AA455003	12.27	9.98	97.28	80.19	7.93	9.75	1.21	independent
714426	AA291995	8.7	6.06	68.89	38.84	7.92	11.37	1.77	independent
136506	R34566	8.43	16.03	65.91	34.13	7.82	4.11	1.93	independent
341821	W60745	5.71	7.27	44.46	32.98	7.78	6.12	1.35	independent
758662	AA401853	12.15	23.15	94.42	73.59	7.77	4.08	1.28	independent
771056	AA427398	3.21	6.81	24.81	27.52	7.74	3.65	0.9	independent
153541	R48320	5.04	3.27	38.94	9.44	7.73	11.92	4.13	dependent
754358	AA436142	3.91	3.72	30.17	26.26	7.71	8.12	1.15	independent
843159	AA488497	79.14	148.13	601.33	445.14	7.6	4.06	1.35	independent
773157	AA425382	1.26	1.2	9.56	3.76	7.58	7.97	2.54	partial
342378	W65461	5.59	7.77	42.31	10.8	7.57	5.45	3.92	dependent
810859	AA458965	3.05	2.89	22.46	7.28	7.36	7.78	3.08	partial
80374	T65833	12.98	11.9	95.35	65.11	7.35	8.01	1.46	independent
755145	AA411440	84.82	82.05	619.75	628.44	7.31	7.55	0.99	independent
383676	AA679116	1	1.3	7.3	1.68	7.3	5.6	4.35	dependent
46477	H09966	2.51	2.55	18.22	8.15	7.27	7.14	2.24	partial
811899	AA454652	19.52	24.2	141.34	104.38	7.24	5.84	1.35	independent
770670	AA476272	4.17	4.23	30.04	8.9	7.21	7.11	3.38	partial
884657	AA629910	28.36	47.24	203.75	105.57	7.18	4.31	1.93	independent
810039	AA455281	54.27	47.4	388.47	262.71	7.16	8.2	1.48	independent
135303	R31544	11.23	5.21	80.45	42.14	7.16	15.43	1.91	independent
781139	AA429895	2.64	2.9	18.9	10.66	7.15	6.51	1.77	independent
144797	R76553	12.63	2.9	89.79	15.28	7.11	30.96	5.88	dependent
309893	N94487	18.72	12.85	133.03	40.27	7.11	10.35	3.3	partial
142927	R71120	3.92	7.39	27.72	35.02	7.08	3.75	0.79	independent
144912	R78554	4.85	4.51	34.22	29.46	7.06	7.59	1.16	independent
811150	AA485734	3.36	3.2	23.65	10.58	7.05	7.39	2.24	partial
127099	R08116	17.03	24.64	119.07	93.62	6.99	4.83	1.27	independent
82556	T73294	1	1	6.98	1	6.98	6.98	6.98	dependent
284845	N66724	1.11	3.67	7.71	6.89	6.97	2.1	1.12	independent
841399	AA487552	27.61	57.49	191.24	229.45	6.93	3.33	0.83	independent
842818	AA486374	45.97	36.71	314.8	221.61	6.85	8.58	1.42	independent
625875	AA186804	36.64	27.7	250.08	92.32	6.83	9.03	2.71	partial
1031669	AA609541	1	3.78	6.81	4.82	6.81	1.8	1.41	independent
950356	AA600173	30.11	58.93	204.46	192.49	6.79	3.47	1.06	independent
770672	AA476273	5.46	6.38	36.79	16.7	6.74	5.76	2.2	partial
898253	AA598676	14.38	23.31	96.55	94.69	6.72	4.14	1.02	independent
711918	AA282134	8.45	9.21	56.61	61	6.7	6.15	0.93	independent
324861	W48713	4.32	3.94	28.88	27.27	6.69	7.33	1.06	independent
299427	N76117	1.54	5.68	10.31	7.03	6.68	1.81	1.47	independent
247614	N58144	4.9	10.62	32.67	35.57	6.67	3.08	0.92	independent

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73381 T55801		37.03	33.37	246.66	135.61	6.66	7.39	1.82	independent
399563 AA733073		1.23	2.3	8.16	3.89	6.66	3.55	2.1	partial
45542 H08560		3.62	2.56	23.81	4.07	6.58	9.31	5.85	dependent
509484 AA056390		23.39	30.98	153.32	167.83	6.56	4.95	0.91	independent
138455 R68626		5.93	3.56	38.8	21.43	6.54	10.89	1.81	independent
753252 AA406233		4.16	4.86	27.21	7.95	6.53	5.6	3.42	dependent
240694 H78134		7.73	9.8	50.21	23.74	6.49	5.13	2.12	partial
203275 H54752		13.18	7.42	84.3	49.44	6.4	11.36	1.71	independent
811943 AA455012		53.97	18.84	344.81	140.31	6.39	18.3	2.46	partial
322537 W15263		3.03	3.51	19.32	8.81	6.37	5.5	2.19	partial
810878 AA458973		6.74	6.24	42.24	43.38	6.27	6.77	0.97	independent
143169 R73672		1.55	1.91	9.66	6.21	6.25	5.06	1.55	independent
841141 AA487031		20.89	17.53	129.78	46.33	6.21	7.4	2.8	partial
767059 AA451751		2.23	2.33	13.85	4.42	6.21	5.94	3.13	dependent
855707 AA663941		47.37	96.36	293.75	147.45	6.2	3.05	1.99	independent
343320 W68169		8.28	6.25	51.18	29.39	6.18	8.19	1.74	independent
486787 AA043228		110.73	137.33	682.61	414.91	6.16	4.97	1.65	independent
340734 W55872		62.83	74.98	386.66	176.47	6.15	5.16	2.19	partial
812042 AA455968		5.36	4.36	32.79	41.28	6.12	7.52	0.79	independent
505227 AA142923		15.48	10.91	94.65	17.68	6.11	8.67	5.35	dependent
841207 AA486731		14.25	5.16	87.05	15.2	6.11	16.86	5.73	dependent
82710 T73468		9.1	18.14	55.36	45.62	6.08	3.05	1.21	independent
433220 AA680421		1.32	1.47	7.96	1	6.02	5.4	7.96	dependent
296883 W01084		8.13	15.55	48.56	47.11	5.97	3.12	1.03	independent
781447 AA428659		1.91	2.63	11.41	10.08	5.97	4.34	1.13	independent
294092 N68510		1.63	1.71	9.73	1.51	5.97	5.68	6.43	dependent
144870 R78536		10.3	11.11	61.02	47.73	5.92	5.49	1.28	independent
742049 AA401457		31.74	87.03	187.71	119.4	5.91	2.16	1.57	independent
884655 AA629909		129.58	89.83	763.78	267.8	5.89	8.5	2.85	partial
298236 N70837		1.27	2.8	7.5	5.31	5.89	2.68	1.41	independent
845345 AA773478		52.88	84.07	311.15	177.5	5.88	3.7	1.75	independent
878676 AA775355		155.71	240.65	912.39	537.33	5.86	3.79	1.7	independent
418049 W90728		12.33	7.7	72.14	36.21	5.85	9.37	1.99	independent
344251 W73797		3.2	4.86	18.53	23.3	5.78	3.81	0.8	independent
768561 AA425102		1.62	1.59	9.36	1.28	5.77	5.89	7.29	dependent
261745 H99152		12.36	11.31	71.28	36.39	5.77	6.3	1.96	independent
824933 AA489040		9.72	14.37	55.78	20.57	5.74	3.88	2.71	partial
40887 R56562		1.78	3.87	10.18	8.6	5.73	2.63	1.18	independent
324690 W47325		2.97	2.01	17.04	4.4	5.73	8.49	3.87	dependent
450303 AA682849		1.42	1.63	8.09	4.87	5.72	4.97	1.66	independent
29063 R40970		1.42	1	8.1	6.83	5.71	8.1	1.19	independent
33342 R44617		1	1	5.69	4.28	5.69	5.69	1.33	independent
41595 R59556		1	1	5.69	1	5.69	5.69	5.69	dependent
298903 N75386		3.01	2.32	17.08	15.53	5.68	7.36	1.1	independent
125148 R05309		19.01	14.04	107.86	76.2	5.67	7.68	1.42	independent

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243230	H94586	2.12	4.45	12.02	24.27	5.66	2.7	0.5	independent
755402	AA424695	38.83	63.87	219.67	188.07	5.66	3.44	1.17	independent
286490	N67355	4.13	5.22	23.34	22.08	5.65	4.47	1.06	independent
772429	AA405571	1.2	1.13	6.75	2.14	5.64	6	3.16	dependent
824643	AA491295	1	1	5.64	1	5.64	5.64	5.64	dependent
487086	AA045300	33	41.41	185.48	386.88	5.62	4.48	0.48	independent
746064	AA482028	1.92	1.5	10.71	1.39	5.58	7.15	7.73	dependent
67654	T49539	4.84	3.77	26.9	12.93	5.56	7.14	2.08	partial
120881	T96083	5.82	5.1	32.32	27.23	5.55	6.33	1.19	independent
595606	AA167270	7.74	10.31	42.95	28.04	5.55	4.17	1.53	independent
814270	AA458994	20.94	9.41	115.88	62.97	5.53	12.31	1.84	independent
246686	N57731	15.38	22.39	84.77	89.43	5.51	3.79	0.95	independent
772261	AA404479	12.64	10.31	69.5	62.97	5.5	6.74	1.1	independent
282019	N48197	2.5	4.19	13.77	5.15	5.5	3.28	2.67	partial
204148	H55921	11.76	6.5	64.52	38.64	5.49	9.92	1.67	independent
588500	AA143509	29.65	30.91	162.46	137.74	5.48	5.26	1.18	independent
752732	AA417881	6.25	3.97	33.98	29.79	5.44	8.57	1.14	independent
305606	N90246	4.97	6.51	26.99	21.11	5.43	4.14	1.28	independent
700527	AA291163	3.58	7.38	19.43	37.31	5.43	2.63	0.52	independent
123343	R00075	1.21	3.31	6.53	1.64	5.42	1.97	3.98	dependent
360357	AA013355	1	1	5.42	1	5.42	5.42	5.42	dependent
20115	R45009	5.98	5.54	32.26	30.24	5.39	5.83	1.07	independent
825013	AA489201	64.3	43.68	346.72	176.66	5.39	7.94	1.96	independent
809824	AA455519	9.03	14.79	48.61	41.82	5.38	3.29	1.16	independent
841499	AA487264	1.31	1	7.02	4.19	5.38	7.02	1.68	independent
756596	AA444049	1.83	3.3	9.86	5.94	5.37	2.99	1.66	independent
33049	R19031	6.21	4.7	33.06	21.88	5.32	7.03	1.51	independent
429848	AA009809	1	1	5.31	5.01	5.31	5.31	1.06	independent
783629	AA446682	30.43	18.44	160.82	92.17	5.28	8.72	1.74	independent
188232	H45711	5.08	3.15	26.75	13.71	5.27	8.51	1.95	independent
454970	AA676625	50.66	64.07	266.68	163.05	5.26	4.16	1.64	independent
346917	W79920	10.73	10.41	56.07	38.13	5.23	5.38	1.47	independent
214614	H73661	4.86	4.35	25.37	14.34	5.22	5.84	1.77	independent
788486	AA452730	3.45	4.03	17.97	19.61	5.22	4.46	0.92	independent
231903	H92853	1	1	5.21	1.27	5.21	5.21	4.11	dependent
119133	T94087	6.51	7.96	33.79	32.99	5.19	4.24	1.02	independent
838818	AA457675	1.49	1.08	7.74	6.7	5.19	7.15	1.15	independent
813266	AA456394	2.01	2.73	10.44	10.09	5.18	3.83	1.03	independent
840726	AA487846	10.96	12.18	56.41	11.81	5.15	4.63	4.78	dependent
290308	N92208	20.18	18.45	103.28	91.24	5.12	5.6	1.13	independent
243972	N39544	2.9	5.09	14.85	5.46	5.12	2.92	2.72	dependent
45582	H08120	10.93	31.19	55.84	43.85	5.11	1.79	1.27	independent
898138	AA598492	23.06	17.73	117.65	98.55	5.1	6.64	1.19	independent
213635	H72113	1	1.13	5.1	1.52	5.1	4.5	3.35	dependent
343919	W69960	13.85	23.41	70.72	29.85	5.1	3.02	2.37	partial

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435488	AA701351	27.42	86	139.56	93.94	5.09	1.62	1.49	independent
126795	R07167	3.78	4.23	19.21	8.43	5.08	4.54	2.28	partial
840683	AA488072	5.13	2.36	26.04	7.53	5.08	11.04	3.46	dependent
841352	AA487651	19.79	11.02	100.34	44.58	5.07	9.1	2.25	partial
755821	AA496576	27.98	35.87	141.54	119.09	5.06	3.95	1.19	independent
704459	AA279883	3.34	3.02	16.87	3.47	5.06	5.59	4.86	dependent
826173	AA521431	108.78	36.9	547.96	241.21	5.04	14.85	2.27	partial
782171	AA431210	6.42	5.99	32.39	14.61	5.04	5.41	2.22	partial
491311	AA150198	1.28	1	6.45	1.37	5.03	6.45	4.71	dependent
131984	R32437	1	1	5.03	1	5.03	5.03	5.03	dependent
897033	AA676768	1.02	1	5.11	2.81	5.02	5.11	1.82	independent
469762	AA027964	3.02	1.5	15.05	6.27	4.99	10.04	2.4	partial
754093	AA479199	2.86	1.67	14.27	3.19	4.98	8.53	4.48	dependent
194986	R88741	10.95	15.46	54.2	44.15	4.95	3.5	1.23	independent
839936	AA490134	1.56	1.68	7.71	3.4	4.94	4.59	2.27	partial
277484	N56879	1.39	2.15	6.86	4.58	4.94	3.18	1.5	independent
47542	H16454	36.2	18.94	178.51	69.79	4.93	9.43	2.56	dependent
950448	AA599093	15.23	21.7	75.13	56.1	4.93	3.46	1.34	independent
277528	N34518	1	1.35	4.9	1.66	4.9	3.62	2.95	dependent
455179	AA676899	8.67	20.5	42.46	32.78	4.9	2.07	1.3	independent
795375	AA453275	43.96	38.42	214.46	253.55	4.88	5.58	0.85	independent
434952	AA700680	6.56	2.36	32.02	4.84	4.88	13.58	6.62	dependent
814353	AA458838	14.43	12.71	70.26	20.72	4.87	5.53	3.39	dependent
363086	AA019482	12.28	8.89	59.73	54.73	4.86	6.72	1.09	independent
132381	R26672	7.1	6.94	34.5	37.85	4.86	4.97	0.91	independent
366349	AA025782	7.33	7.3	35.38	25.75	4.83	4.85	1.37	independent
66420	R16069	12.68	9.46	61.18	63.61	4.82	6.47	0.96	independent
768453	AA495944	26.76	28.15	128.79	125.81	4.81	4.57	1.02	independent
788641	AA449832	3.6	5.14	17.28	22.06	4.81	3.36	0.78	independent
788386	AA456413	11.39	27.23	54.78	45.8	4.81	2.01	1.2	independent
810864	AA458968	19.05	14.8	91.46	47.28	4.8	6.18	1.93	independent
769716	AA428960	10.64	8.5	51.06	26.33	4.8	6.01	1.94	independent
280175	N49247	1.68	4.61	8.08	7.95	4.8	1.75	1.02	independent
281467	N47967	3.6	5.04	17.21	16.28	4.79	3.42	1.06	independent
511586	AA127116	497.79	556.22	2382.02	2064.04	4.79	4.28	1.15	independent
739116	AA421515	1	1	4.79	1	4.79	4.79	4.79	dependent
214162	H77766	8.14	12.06	38.9	42.23	4.78	3.23	0.92	independent
110746	T83098	1.44	2.2	6.85	5.28	4.77	3.11	1.3	independent
52802	H29032	1.06	1.28	5.04	5.05	4.77	3.95	1	independent
306043	N90999	1.09	1.13	5.19	1	4.77	4.58	5.19	dependent
869187	AA680300	10.79	19.25	51.17	32.38	4.74	2.66	1.58	independent
824896	AA488893	1	1	4.74	1	4.74	4.74	4.74	dependent
344156	W69995	3.52	4.34	16.57	7.48	4.71	3.82	2.22	partial
725549	AA293448	1.18	2.67	5.57	2.11	4.71	2.09	2.64	dependent
343072	W67174	136.63	160.4	639.37	577.17	4.68	3.99	1.11	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
134476	R27644	21.56	29.51	100.79	94.5	4.68	3.42	1.07	independent
503520	AA131325	1.77	1.34	8.29	1.34	4.68	6.17	6.2	dependent
292312	N79206	2.69	4.16	12.58	9.93	4.67	3.02	1.27	independent
1031908	AA609734	1.23	2.09	5.75	4.21	4.66	2.76	1.37	independent
45291	H08642	55.74	41.39	258.77	202.41	4.64	6.25	1.28	independent
342712	W68542	1.24	1.95	5.76	5.53	4.63	2.95	1.04	independent
377461	AA055835	27.8	34.38	128.18	47.24	4.61	3.73	2.71	dependent
756471	AA436405	1	1.08	4.61	1.45	4.61	4.28	3.19	dependent
824875	AA488885	20.84	51.71	95.95	69.07	4.6	1.86	1.39	independent
289055	N59835	1.68	2.44	7.69	7.14	4.58	3.16	1.08	independent
1467195	AA884709	2.68	4.43	12.24	16.03	4.56	2.76	0.76	independent
433522	AA700625	1	1	4.55	1	4.55	4.55	4.55	dependent
281770	N51749	5.22	5.53	23.7	10.54	4.54	4.28	2.25	partial
129585	R16596	7.38	10.57	33.4	30.56	4.53	3.16	1.09	independent
251769	H97868	4.59	5.28	20.79	16.21	4.53	3.94	1.28	independent
768246	AA424937	6.2	6.46	28.02	27.33	4.52	4.34	1.03	independent
795766	AA460307	1.44	3.21	6.52	3.65	4.52	2.03	1.79	independent
194006	H51825	11.61	16.25	52.35	42.54	4.51	3.22	1.23	independent
714210	AA293192	13.63	18.05	61.18	51.76	4.49	3.39	1.18	independent
510702	AA101996	5.32	5.59	23.87	17.36	4.49	4.27	1.37	independent
784772	AA478542	59.42	27.82	265.37	179.66	4.47	9.54	1.48	independent
194364	H50677	13.52	22.63	60.39	47.42	4.47	2.67	1.27	independent
85497	T71879	1.49	1.96	6.66	4.92	4.46	3.39	1.35	independent
1031945	AA609767	1.27	1.81	5.65	7.97	4.46	3.12	0.71	independent
760282	AA447959	4.76	3.99	21.18	15.87	4.45	5.3	1.33	independent
345069	W76339	25.53	17.67	113.2	62.74	4.43	6.41	1.8	independent
898262	AA598670	68.47	71.08	301.03	285.18	4.4	4.24	1.06	independent
309685	W30810	3.16	4.4	13.89	9.27	4.4	3.16	1.5	independent
811138	AA485730	1	1.18	4.4	1	4.4	3.73	4.4	dependent
365641	AA025937	10.44	10.48	45.86	26.55	4.39	4.38	1.73	independent
246194	N77006	3.13	2.04	13.71	8.8	4.39	6.72	1.56	independent
589617	AA148102	2.19	1.94	9.63	1.78	4.39	4.97	5.41	dependent
898121	AA598486	17.32	10.72	75.97	31.41	4.39	7.09	2.42	dependent
278906	N66627	1.52	3.82	6.66	4.82	4.38	1.75	1.38	independent
1493160	AA878880	1	1	4.37	1.24	4.37	4.37	3.53	dependent
811930	AA454662	55.08	23.38	240.22	115.33	4.36	10.27	2.08	partial
161195	H25229	59.36	36.93	258.42	215.15	4.35	7	1.2	independent
841641	AA487700	76.81	47.5	332.98	173.18	4.34	7.01	1.92	independent
325015	W48838	1.09	1	4.72	1	4.33	4.72	4.72	dependent
110503	T89996	1.92	2.7	8.27	2.65	4.31	3.06	3.12	dependent
295831	N74602	26.54	30.67	114.48	84.94	4.31	3.73	1.35	independent
295140	N71647	10.04	5.78	43.19	28.11	4.3	7.47	1.54	independent
83506	T69562	1	1.63	4.29	1	4.29	2.63	4.29	dependent
144849	R78530	26.72	31.84	114.55	45.08	4.29	3.6	2.54	dependent
279656	N48975	2.3	2.8	9.88	2.18	4.29	3.53	4.54	dependent

TABLE 1

T080T "ST4SE0T"

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
127242	R08292	1	1.64	4.28	5.06	4.28	2.6	0.85	independent
284734	N59851	7.1	7.57	30.34	33.5	4.27	4.01	0.91	independent
123229	T99853	2.04	3.01	8.73	6.52	4.27	2.9	1.34	independent
526184	AA076645	76.01	144.74	324	365.84	4.26	2.24	0.89	independent
813444	AA455945	10.6	11.46	45.19	31.53	4.26	3.94	1.43	independent
1486082	AA936757	151.99	12.06	646.81	33.99	4.26	53.64	19.03	dependent
68103	T52894	114.79	64.54	487.32	431.15	4.25	7.55	1.13	independent
714213	AA293571	12.04	5.93	51.17	10.2	4.25	8.62	5.02	dependent
253241	H89293	22.81	13.57	96.98	54.3	4.25	7.15	1.79	independent
178029	H46922	1	1	4.25	1.88	4.25	4.25	2.26	dependent
277112	N39611	18.25	19.53	77.56	36.57	4.25	3.97	2.12	partial
203711	H56345	1.16	1.96	4.91	2.14	4.24	2.5	2.29	dependent
261519	H98636	1.91	1.59	8.07	2.42	4.23	5.09	3.33	dependent
897880	AA598637	155.84	102.16	659.11	400.54	4.23	6.45	1.65	independent
279970	N57553	1.2	2.36	5.08	2.88	4.23	2.15	1.76	independent
109265	T81033	22.59	24.55	95.3	96.68	4.22	3.88	0.99	independent
1325751	AA873089	1.3	5.49	5.49	2.03	4.22	1	2.7	dependent
211800	H71092	45.19	25.05	190.34	104.96	4.21	7.6	1.81	independent
279613	N48913	1.15	1.53	4.84	1.92	4.2	3.17	2.51	dependent
79766	T63971	1.1	1.12	4.63	1	4.19	4.12	4.63	dependent
417561	W89071	1.8	2.05	7.55	3.28	4.19	3.69	2.3	dependent
811770	AA463446	9.06	3.72	37.93	24.64	4.19	10.21	1.54	independent
449039	AA777397	1.37	1	5.72	1.92	4.19	5.72	2.98	dependent
724387	AA411107	31.87	21.49	133.23	102.71	4.18	6.2	1.3	independent
742794	AA400475	1.39	2.01	5.83	6.69	4.18	2.9	0.87	independent
744374	AA621188	34.09	8.98	142.25	97.07	4.17	15.84	1.47	independent
824382	AA489699	17.65	11.52	73.46	76.02	4.16	6.37	0.97	independent
69378	T58652	24.82	47.85	102.88	102.33	4.14	2.15	1.01	independent
814785	AA455239	1	1	4.13	1	4.13	4.13	4.13	dependent
257978	N30757	1.77	2.81	7.28	9.6	4.12	2.59	0.76	independent
75009	T51895	4.86	5.14	20	13.02	4.12	3.89	1.54	independent
505573	AA147640	4.02	15.51	16.54	22.47	4.11	1.07	0.74	independent
202577	H53274	1.27	1.65	5.21	2.58	4.11	3.15	2.02	partial
51916	H22563	16.13	23.85	66.24	27.91	4.11	2.78	2.37	dependent
251517	H96605	1.22	2.93	5.03	3.26	4.11	1.72	1.54	independent
395898	AA757464	39.34	45.37	161.77	100.7	4.11	3.57	1.61	independent
280234	N49191	1.27	2.35	5.19	4.46	4.09	2.21	1.16	independent
731319	AA416770	1.53	3.18	6.28	4.18	4.09	1.97	1.5	independent
149760	H00598	1.26	1.41	5.15	2.16	4.09	3.64	2.38	dependent
232965	H72674	3.49	4.6	14.26	20.4	4.08	3.1	0.7	independent
588550	AA143343	4.86	7.35	19.82	24.43	4.08	2.7	0.81	independent
279394	N48701	3.96	6.33	16.17	6.44	4.08	2.56	2.51	dependent
284931	N71861	1.11	2.03	4.52	4.67	4.08	2.23	0.97	independent
503819	AA131664	1.63	1.31	6.64	4.1	4.07	5.06	1.62	independent
742887	AA406226	1.58	1.68	6.43	14.01	4.07	3.83	0.46	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
730544	AA435936	1.46	3.76	5.92	5.33	4.07	1.57	1.11	independent
824758	AA488998	14.96	36.42	60.93	46.03	4.07	1.67	1.32	independent
826300	AA521008	34.49	68.18	140.41	81.68	4.07	2.06	1.72	independent
280699	N47445	3.63	7.73	14.78	9.75	4.07	1.91	1.52	independent
399331	AA774649	12.61	11.61	51.11	15.9	4.05	4.4	3.22	dependent
1404995	AA845584	1.37	1.91	5.54	1.18	4.04	2.91	4.7	dependent
809530	AA454572	34.05	11.48	137.26	75.35	4.03	11.95	1.82	independent
782575	AA447522	2.87	1.72	11.56	2.9	4.03	6.73	3.99	dependent
591671	AA147439	2.19	2.55	8.83	11.24	4.03	3.46	0.79	independent
277196	N34320	20.57	15.18	82.91	25.38	4.03	5.46	3.27	dependent
135058	R33011	5.14	6.74	20.68	21.59	4.02	3.07	0.96	independent
282716	N49958	2.39	2.19	9.57	8.77	4.01	4.36	1.09	independent
757237	AA426031	2.15	1.21	8.62	5.69	4.01	7.12	1.52	independent
753386	AA410345	1.34	2.71	5.36	2.18	4.01	1.98	2.46	dependent
810948	AA459383	1.24	2.45	4.96	2.45	4	2.03	2.02	dependent
277487	N56888	6.74	6.65	26.98	27.93	4	4.06	0.97	independent
194401	R83017	1.02	1.83	4.06	1.25	3.99	2.22	3.24	dependent
814906	AA465692	28.81	81.62	114.95	84.99	3.99	1.41	1.35	independent
725473	AA397819	5.46	7.9	21.73	14.79	3.98	2.75	1.47	independent
74187	T48367	3.09	2.63	12.28	6.13	3.98	4.67	2	partial
609052	AA176607	1.81	3.43	7.2	4.91	3.98	2.1	1.47	independent
366543	AA026627	1	1.5	3.98	2.48	3.98	2.66	1.6	independent
435714	AA699972	1.96	1.31	7.79	1	3.98	5.95	7.79	dependent
1412481	AA845156	1.45	1.57	5.75	1.31	3.97	3.67	4.38	dependent
460403	AA677534	82.2	59.45	325.57	110.97	3.96	5.48	2.93	dependent
840942	AA486627	1.49	1.67	5.88	4.26	3.95	3.52	1.38	independent
417426	W88572	21.01	12.83	83.08	38.02	3.95	6.47	2.19	dependent
884822	AA669341	457.49	830.51	1808.66	830.82	3.95	2.18	2.18	dependent
79629	T62491	2.46	1.75	9.71	4.96	3.94	5.56	1.96	independent
783698	AA446822	29.55	25.38	116.33	36.88	3.94	4.58	3.15	dependent
756405	AA482119	1.03	1.44	4.05	3.78	3.94	2.82	1.07	independent
811976	AA456646	22.23	17.44	87.6	72.64	3.94	5.02	1.21	independent
289725	N59278	1.24	2.02	4.9	1.66	3.94	2.42	2.96	dependent
1376827	AA812973	58.55	68.41	230.86	88.26	3.94	3.37	2.62	dependent
281605	N51614	1.45	1.09	5.69	2.1	3.92	5.23	2.7	dependent
80910	T70098	21.08	7.28	82.48	39.87	3.91	11.33	2.07	dependent
838568	AA456931	198.79	128.8	776.3	789.37	3.91	6.03	0.98	independent
730394	AA469937	1.09	1.14	4.28	1	3.91	3.75	4.28	dependent
753029	AA436463	1.46	2.1	5.7	3.56	3.9	2.71	1.6	independent
232908	H73484	122.76	215.96	477.24	208.58	3.89	2.21	2.29	dependent
79562	T62844	10.56	20.41	41.06	39.18	3.89	2.01	1.05	independent
80618	T57778	1.87	1.95	7.29	2.14	3.89	3.74	3.4	dependent
773199	AA425700	5.56	4.9	21.59	19.94	3.89	4.41	1.08	independent
281508	N51536	2.06	4.3	8	4.03	3.89	1.86	1.99	partial
283444	N52799	1.46	3.6	5.69	5.14	3.89	1.58	1.11	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
449328	AA777910	3.16	2.66	12.31	5.61	3.89	4.63	2.19	dependent
839736	AA504943	88.95	56.09	345.34	161.87	3.88	6.16	2.13	dependent
142689	R70999	1	1.99	3.88	2.83	3.88	1.95	1.37	independent
342283	W61264	1.65	3.77	6.38	6.19	3.88	1.69	1.03	independent
383521	AA678980	3.24	5.14	12.54	11.17	3.88	2.44	1.12	independent
826995	AA521384	56.01	35.57	217.07	64.41	3.88	6.1	3.37	dependent
51449	H21043	2.14	1.66	8.28	4.09	3.87	5	2.02	dependent
809535	AA454585	122.89	82.07	474.76	287.93	3.86	5.78	1.65	independent
510381	AA055585	7.48	7.87	28.84	17.29	3.86	3.66	1.67	independent
121574	T97717	1.89	1.35	7.28	8.97	3.86	5.39	0.81	independent
27152	R37289	1.03	1.39	3.99	1.47	3.86	2.87	2.71	dependent
840493	AA487797	1.24	2.06	4.76	4.9	3.85	2.31	0.97	independent
813755	AA453815	1.6	1.64	6.18	3.83	3.85	3.77	1.61	independent
261841	H99213	1.3	1.31	5	3.22	3.84	3.82	1.55	independent
825011	AA489200	1.25	1.91	4.81	3.79	3.84	2.52	1.27	independent
296754	W04206	1.72	2.45	6.59	3.34	3.83	2.69	1.97	partial
703479	AA278240	3.95	2.72	15.12	10.26	3.83	5.56	1.47	independent
188422	H44838	9.26	16.15	35.46	16.17	3.83	2.2	2.19	dependent
360747	AA016245	2.26	2.29	8.64	1	3.82	3.78	8.64	dependent
138149	R53810	9.48	28	36.22	42.97	3.82	1.29	0.84	independent
503737	AA131464	98.89	86.94	376.32	239.77	3.81	4.33	1.57	independent
810743	AA480835	11.93	17.17	45.41	41.03	3.81	2.64	1.11	independent
824117	AA490617	7.68	7.15	29.26	19.01	3.81	4.09	1.54	independent
43865	H05091	1.35	1	5.14	1.89	3.81	5.14	2.72	dependent
704519	AA279533	570.86	158.94	2175.05	390.73	3.81	13.68	5.57	dependent
67074	T70431	12.46	12.27	47.27	48.35	3.79	3.85	0.98	independent
726414	AA399166	6.45	8.46	24.47	19.98	3.79	2.89	1.22	independent
511143	AA088274	29.34	29.43	111.27	74.14	3.79	3.78	1.5	independent
247803	N77630	8.41	6.86	31.78	28.25	3.78	4.63	1.12	independent
767049	AA424315	89.91	34.92	340.25	177.62	3.78	9.74	1.92	partial
796549	AA460274	1.72	1.33	6.5	4.35	3.78	4.9	1.49	independent
1240283	AA788641	3.94	2	14.9	5.16	3.78	7.46	2.89	dependent
586650	AA129135	11.33	24.74	42.83	25.08	3.78	1.73	1.71	independent
204638	H56931	17.14	17.07	64.67	76.45	3.77	3.79	0.85	independent
292982	N69100	4.48	7.48	16.89	12.15	3.77	2.26	1.39	independent
285798	N69332	3.3	4.14	12.43	5.25	3.77	3	2.37	dependent
359653	AA010872	1.97	4.21	7.42	2.72	3.77	1.76	2.73	dependent
207562	H60175	1.6	1.53	6.02	2.86	3.77	3.94	2.1	dependent
842785	AA486313	41.98	47.68	157.94	158.98	3.76	3.31	0.99	independent
192543	H41255	1.14	1.34	4.29	1	3.76	3.2	4.29	dependent
755304	AA436327	55.07	85.43	206.32	116.03	3.75	2.42	1.78	independent
503639	AA133665	13.65	4.25	51	9.62	3.74	11.99	5.3	dependent
1031731	AA609591	1.88	2.84	7.01	2.56	3.74	2.46	2.74	dependent
725978	AA394066	49.79	105.34	185.94	105.01	3.73	1.77	1.77	independent
243244	H95038	1.06	1	3.96	2.68	3.73	3.96	1.48	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
277384	N34426	14.71	27.44	54.88	30.92	3.73	2	1.77	independent
415178	W95104	1.21	1.03	4.51	3.88	3.72	4.36	1.16	independent
416833	W86653	5.96	4.21	22.17	14.76	3.72	5.26	1.5	independent
320209	W04509	1.92	2.55	7.13	2.92	3.72	2.79	2.44	dependent
813449	AA455951	1.5	1.63	5.59	2.57	3.72	3.43	2.18	dependent
812243	AA455052	1	1.52	3.72	1	3.72	2.44	3.72	dependent
392526	AA708096	5.17	6.29	19.26	2.24	3.72	3.06	8.59	dependent
120306	T97204	9.57	5.38	35.56	30.45	3.71	6.62	1.17	independent
770027	AA427688	11.09	16.71	41.16	27.4	3.71	2.46	1.5	independent
296375	N70122	7.94	8.31	29.47	18.55	3.71	3.54	1.59	independent
364352	AA022496	1	1.02	3.71	2.81	3.71	3.63	1.32	independent
845519	AA644234	126.82	216.33	470.91	390.13	3.71	2.18	1.21	independent
796646	AA460115	118.57	110.94	438.74	466.84	3.7	3.95	0.94	independent
251417	H96504	1.05	1	3.89	2.5	3.7	3.89	1.55	independent
290111	N62195	729.59	162.3	2699.17	415.16	3.7	16.63	6.5	dependent
148352	H13278	6.54	8.5	24.19	8.84	3.7	2.85	2.74	dependent
50403	H17959	2.14	1.18	7.89	2.42	3.69	6.7	3.27	dependent
826130	AA521335	1	1.43	3.69	1	3.69	2.59	3.69	dependent
362059	AA001432	140.13	74.05	515.56	66.83	3.68	6.96	7.71	dependent
742036	AA402812	24.88	24.24	91.53	54.44	3.68	3.78	1.68	independent
262695	H99415	13.26	10.35	48.8	29.34	3.68	4.71	1.66	independent
487317	AA043800	1.66	1.85	6.09	2.16	3.67	3.3	2.81	dependent
796444	AA459981	1.59	1.95	5.81	6.67	3.67	2.98	0.87	independent
362544	AA018408	1.76	2.58	6.45	4.74	3.67	2.5	1.36	independent
723986	AA410680	13.89	14.05	50.91	33.61	3.66	3.62	1.51	independent
841470	AA487346	3.56	4.22	13.04	13.79	3.66	3.09	0.95	independent
878681	AA775364	913.83	2998.59	3343.42	3868.55	3.66	1.11	0.86	independent
769579	AA425826	1.02	1.79	3.74	1	3.65	2.09	3.74	dependent
785967	AA449738	45.56	10.88	166.29	71.43	3.65	15.29	2.33	dependent
435894	AA701412	1	1.56	3.65	1	3.65	2.34	3.65	dependent
73550	T55569	1.8	1.46	6.53	2.38	3.64	4.46	2.74	dependent
503817	AA131663	2.05	5.22	7.45	7.83	3.64	1.43	0.95	independent
73527	T55558	7.09	10.08	25.82	13.19	3.64	2.56	1.96	partial
812251	AA455056	17.61	16.99	63.93	45.49	3.63	3.76	1.41	independent
291537	N72878	34.84	31.55	126.31	84.78	3.63	4	1.49	independent
289865	N62079	1.42	2.66	5.14	3.96	3.63	1.93	1.3	independent
1473300	AA916323	42.9	230.69	155.51	164.32	3.63	0.67	0.95	independent
194395	R83160	5.16	11.64	18.64	10.96	3.61	1.6	1.7	independent
122443	T99336	2.06	2.57	7.42	8.48	3.61	2.88	0.88	independent
712604	AA281932	30.8	37.69	111.07	39.42	3.61	2.95	2.82	dependent
22845	R43678	2.24	2.96	8.09	4.5	3.61	2.74	1.8	independent
266819	N24113	11.8	10.21	42.63	14.44	3.61	4.17	2.95	dependent
154214	R51946	14.67	21.4	52.67	33.11	3.59	2.46	1.59	independent
122345	T99191	2.23	2.84	8.02	6.54	3.59	2.83	1.23	independent
277357	N57499	2.68	5.11	9.61	6.51	3.59	1.88	1.48	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
305122	N92611	75.6	72.08	270.87	136.59	3.58	3.76	1.98	partial
429534	AA011394	21.6	32.91	77.4	49.99	3.58	2.35	1.55	independent
50578	H16821	1	1	3.58	1	3.58	3.58	3.58	dependent
52754	H29781	1	1.95	3.58	1.92	3.57	1.84	1.87	partial
178524	H47048	1.49	1.67	5.33	1	3.57	3.19	5.33	dependent
77533	T58773	1.05	1	3.76	1	3.56	3.76	3.76	dependent
50786	H16832	9.12	7.65	32.46	15.6	3.56	4.24	2.08	dependent
814341	AA459123	41.36	18.44	147.4	46.9	3.56	7.99	3.14	dependent
51448	H21041	11.83	12.62	42	17.34	3.55	3.33	2.42	dependent
782146	AA431181	1.04	1.03	3.69	1.65	3.55	3.6	2.24	dependent
135716	R32424	1.73	1.52	6.11	2.21	3.54	4.02	2.77	dependent
136070	R34273	44.04	36.05	156.11	153.28	3.54	4.33	1.02	independent
814381	AA459051	30.37	30.91	107.11	106.66	3.53	3.47	1	independent
141854	R70598	18.45	31.99	65.12	86.04	3.53	2.04	0.76	independent
950594	AA608531	3.08	5.73	10.86	8.75	3.53	1.89	1.24	independent
730543	AA435945	2.03	2.35	7.17	3.01	3.53	3.05	2.39	dependent
42070	R60343	34.85	113.5	123.08	263.08	3.53	1.08	0.47	independent
700664	AA283881	1.99	2.97	7	4.53	3.53	2.36	1.55	independent
67016	T70382	3.19	5.29	11.23	8.12	3.52	2.12	1.38	independent
682073	AA256476	3.23	6	11.36	7.11	3.52	1.89	1.6	independent
1031100	AA610081	1.75	2.71	6.16	2.64	3.52	2.27	2.34	dependent
267738	N23283	26.39	54.25	92.37	67.32	3.5	1.7	1.37	independent
192401	H38425	3.65	3.09	12.79	5.02	3.5	4.14	2.55	dependent
135800	R33103	13.05	10.68	45.52	42.19	3.49	4.26	1.08	independent
261851	H99215	1.04	1.02	3.62	1.13	3.49	3.55	3.2	dependent
1056170	AA620994	2.83	3	9.87	4.33	3.49	3.29	2.28	dependent
178255	H46748	1	1.96	3.49	3.52	3.49	1.78	0.99	independent
646753	AA205598	1.21	2.91	4.21	1.29	3.49	1.44	3.26	dependent
80226	T64216	1.58	1.37	5.5	2.37	3.48	4.01	2.32	dependent
773512	AA427947	1.7	1.09	5.92	2.55	3.48	5.43	2.32	dependent
122394	T99303	1.12	1.12	3.88	1	3.47	3.45	3.88	dependent
703994	AA279097	1.26	1	4.36	2.7	3.47	4.36	1.61	independent
85394	T72119	7.61	4.61	26.35	6.31	3.46	5.71	4.18	dependent
839579	AA489813	1	1	3.46	1.54	3.46	3.46	2.25	dependent
1031911	AA609746	1.14	1.5	3.94	4.56	3.46	2.63	0.86	independent
726699	AA398262	1	1.54	3.46	1.39	3.46	2.24	2.48	dependent
415408	W80495	1.61	2.26	5.55	2.49	3.46	2.45	2.23	dependent
359139	AA009941	1.32	1.66	4.55	4.74	3.46	2.74	0.96	independent
287190	N66900	2.16	4.22	7.46	6.76	3.46	1.77	1.1	independent
399302	AA774524	1.9	1.69	6.57	1.82	3.46	3.89	3.61	dependent
234562	H78241	13.06	10.11	45.07	53.66	3.45	4.46	0.84	independent
756509	AA436425	33.04	16	113.86	47.23	3.45	7.12	2.41	dependent
375827	AA039851	1	1.09	3.45	3.85	3.45	3.15	0.9	independent
627125	AA190401	82.73	63.56	285.17	172.72	3.45	4.49	1.65	independent
839903	AA490058	1	1	3.45	3.98	3.45	3.45	0.87	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
283878 N52591		13.11	30.1	45.24	35.06	3.45	1.5	1.29	independent
452466 AA704802		5.14	15.42	17.71	19.33	3.45	1.15	0.92	independent
127096 R08109		5.14	11.63	17.69	19.32	3.44	1.52	0.92	independent
320602 W31389		2.08	1.32	7.15	15.62	3.44	5.42	0.46	independent
840460 AA485865		4.83	2.51	16.64	8.94	3.44	6.63	1.86	partial
282108 N51499		13.59	14	46.81	41.37	3.44	3.34	1.13	independent
37901 R59304		26.36	15.8	90.77	15.97	3.44	5.75	5.68	dependent
204335 H59915		139.52	205.26	479.15	587.94	3.43	2.33	0.81	independent
45804 H09334		2.12	2.26	7.26	3.08	3.43	3.21	2.36	dependent
131979 R32440		19.34	40.3	66.43	45.6	3.43	1.65	1.46	independent
731130 AA417090		1	2.4	3.42	4.24	3.42	1.42	0.81	independent
1309620 AA757170		3.35	5.75	11.45	2.58	3.42	1.99	4.44	dependent
199158 H83178		15.94	19.01	54.43	59.32	3.41	2.86	0.92	independent
297084 W03793		1.15	1.64	3.92	2.81	3.41	2.4	1.4	independent
796132 AA460968		16.4	20.27	55.87	31.42	3.41	2.76	1.78	partial
38141 R49559		1.23	4.42	4.18	1.88	3.41	0.95	2.22	dependent
212198 H69153		43.32	13.57	147.23	96.52	3.4	10.85	1.53	independent
343538 W69134		1.02	1	3.49	1.61	3.4	3.49	2.16	dependent
415554 W80637		10.02	4.04	34.05	12.87	3.4	8.43	2.65	dependent
281949 N48178		1.74	3.9	5.92	7.18	3.4	1.52	0.82	independent
785690 AA449319		3.36	4.66	11.43	8.35	3.4	2.45	1.37	independent
268692 N25920		12.34	13.38	41.94	32.33	3.4	3.13	1.3	independent
1055137 AA621367		2.5	2.56	8.5	6.3	3.4	3.32	1.35	independent
701256 AA286807		1	1	3.4	1	3.4	3.4	3.4	dependent
489031 AA057073		1.59	2.06	5.39	4.65	3.39	2.61	1.16	independent
81427 T60168		4.93	3.61	16.69	10.01	3.39	4.62	1.67	independent
796319 AA461314		1.89	3.18	6.39	2.41	3.39	2.01	2.65	dependent
292463 N62586		5.5	4.82	18.59	16.17	3.38	3.86	1.15	independent
428824 AA005290		2.78	3.27	9.38	4.99	3.38	2.86	1.88	partial
362718 AA018214		1	1	3.38	2.77	3.38	3.38	1.22	independent
489220 AA056734		2.84	4.88	9.56	4.7	3.37	1.96	2.03	dependent
78041 T61343		3.57	6.33	12.03	4.33	3.37	1.9	2.78	dependent
432021 AA678272		20.35	44.52	68.47	67.18	3.37	1.54	1.02	independent
839623 AA504682		122.44	58.69	411.24	306.09	3.36	7.01	1.34	independent
814636 AA481026		5.42	7.94	18.23	19.4	3.36	2.3	0.94	independent
342349 W61116		3.66	2.94	12.29	9.91	3.36	4.18	1.24	independent
298231 N70841		14.16	12.71	47.59	47.08	3.36	3.75	1.01	independent
275730 R94845		1.3	2.98	4.36	3.3	3.36	1.46	1.32	independent
244202 N52973		38.96	45.68	130.47	71.5	3.35	2.86	1.82	partial
198580 R94809		1.22	1.52	4.09	4.19	3.35	2.69	0.98	independent
246786 N53172		1.14	1	3.82	1.54	3.35	3.82	2.49	dependent
809648 AA454673		62.75	40.46	209.92	117.54	3.35	5.19	1.79	partial
277221 N34331		2.3	3.11	7.7	3.77	3.35	2.48	2.04	dependent
726523 AA398073		1.68	4.26	5.63	4.76	3.35	1.32	1.18	independent
773276 AA425319		1.02	3.63	3.39	2.48	3.34	0.94	1.37	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCA3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCA3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
884789	AA629844	36.77	52.34	122.99	79.05	3.34	2.35	1.56	independent
43884	H05580	44.46	37.21	147.97	64.11	3.33	3.98	2.31	dependent
815235	AA481276	15.52	14.22	51.53	44.14	3.32	3.62	1.17	independent
161998	H26182	10.61	10.75	35.27	17.33	3.32	3.28	2.04	dependent
284803	N59870	1.12	1.58	3.73	2.23	3.32	2.36	1.67	partial
1031566	AA609291	2.78	5.54	9.23	5.94	3.32	1.67	1.55	independent
123506	R00628	3.15	4.14	10.41	9.74	3.31	2.51	1.07	independent
376298	AA041251	23.54	17.02	77.86	40.41	3.31	4.58	1.93	partial
591699	AA147224	7.15	8.09	23.64	9.34	3.31	2.92	2.53	dependent
843041	AA488418	75.58	90.27	249.97	170.73	3.31	2.77	1.46	independent
713238	AA282938	17.63	40.73	58.42	47.33	3.31	1.43	1.23	independent
666279	AA233805	1	1.31	3.3	1.26	3.3	2.52	2.61	dependent
28278	R37377	1.28	3.64	4.23	2.56	3.3	1.16	1.66	partial
840517	AA486324	48.82	113.07	160.61	107.77	3.29	1.42	1.49	independent
810448	AA457116	30.18	25.86	99.22	33.47	3.29	3.84	2.96	dependent
230560	H75860	1.78	1.42	5.85	2.43	3.29	4.13	2.41	dependent
345935	W72201	5.86	5.02	19.28	11.05	3.29	3.84	1.74	partial
341295	W58028	1.13	2.19	3.72	1.43	3.29	1.7	2.6	dependent
503749	AA131469	1.67	1.82	5.49	3.41	3.28	3.02	1.61	independent
253132	H88953	2.21	3	7.27	3.4	3.28	2.42	2.14	dependent
435739	AA700783	1.18	1	3.87	1	3.28	3.87	3.87	dependent
267978	N23747	2.42	1.13	7.95	2.04	3.28	7.04	3.9	dependent
138728	R63515	23.65	16.41	77.55	19.04	3.28	4.72	4.07	dependent
22851	R45279	1.53	1.82	4.99	1.88	3.27	2.74	2.65	dependent
259383	N31963	5.96	8.63	19.47	5.24	3.27	2.25	3.71	dependent
150118	H01858	1	1.02	3.27	1	3.27	3.19	3.27	dependent
108265	T70541	13.81	17.36	45.04	41.11	3.26	2.59	1.1	independent
121239	T96708	1.49	2.67	4.86	3.76	3.26	1.82	1.29	independent
366344	AA025774	1.44	1.7	4.67	3.11	3.25	2.74	1.5	independent
812969	AA464602	29.48	43.62	95.91	65.86	3.25	2.2	1.46	independent
341061	W58291	1.77	2.9	5.75	6.39	3.25	1.98	0.9	independent
854678	AA630084	82.89	206.08	269.18	246.92	3.25	1.31	1.09	independent
781766	AA431678	6.3	5.57	20.39	13.05	3.24	3.66	1.56	independent
898092	AA598794	85.52	164.23	277.24	401.73	3.24	1.69	0.69	independent
564517	AA121704	2.82	4.37	9.13	14.89	3.24	2.09	0.61	independent
283703	N50733	3.31	5.6	10.73	5.75	3.24	1.92	1.87	partial
712292	AA280279	14.36	5.71	46.51	9.49	3.24	8.15	4.9	dependent
135975	R33456	63.03	113.84	204.46	230.36	3.24	1.8	0.89	independent
878253	AA775791	26.02	50.19	84.43	83.44	3.24	1.68	1.01	independent
83210	T68336	2	1.69	6.46	6.36	3.23	3.82	1.02	independent
746019	AA482013	1.65	1	5.34	1	3.23	5.34	5.34	dependent
197051	R93153	9.41	11.58	30.28	33.69	3.22	2.61	0.9	independent
486591	AA042990	40.57	23.87	130.81	58.74	3.22	5.48	2.23	dependent
774754	AA442092	136.98	77.76	439.85	341.16	3.21	5.66	1.29	independent
489519	AA099153	23.77	16.15	76.31	60.79	3.21	4.73	1.26	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
119004	T92782	4.01	4.57	12.87	6.65	3.21	2.82	1.94	partial
278523	N66156	33.91	39.57	108.75	63.93	3.21	2.75	1.7	partial
1030738	AA608952	1.84	2.79	5.89	2.1	3.2	2.11	2.8	dependent
108667	T72698	6.76	8.87	21.53	25.09	3.19	2.43	0.86	independent
160126	H21868	10.57	9.84	33.7	29.89	3.19	3.42	1.13	independent
260619	H97566	2.15	2.02	6.88	3.14	3.19	3.4	2.19	dependent
48181	H12277	1.74	1.31	5.56	1.63	3.19	4.26	3.42	dependent
743169	AA401406	2.01	2.66	6.4	2.79	3.19	2.41	2.29	dependent
755762	AA496452	1.34	1.73	4.27	1.67	3.19	2.47	2.56	dependent
306540	N91821	35.63	70.5	113.7	76.98	3.19	1.61	1.48	independent
310105	W24246	1.86	1.77	5.92	4.41	3.18	3.35	1.34	independent
47793	H11730	2.48	2.06	7.89	1.44	3.18	3.83	5.46	dependent
486221	AA044059	142.37	104.16	453.27	252.09	3.18	4.35	1.8	partial
321205	AA037352	1.89	1.81	5.99	7.04	3.18	3.31	0.85	independent
838287	AA457485	53.94	75.08	171.71	114.96	3.18	2.29	1.49	independent
810529	AA464558	1.19	2.28	3.77	1.64	3.18	1.65	2.29	dependent
244194	N51030	1	1	3.18	4.34	3.18	3.18	0.73	independent
1030855	AA621761	99.34	119.64	315.47	314.14	3.18	2.64	1	independent
825404	AA504253	6	13.72	19.06	23.31	3.18	1.39	0.82	independent
502369	AA156940	49.35	75.29	156.39	53.4	3.17	2.08	2.93	dependent
379771	AA706022	2.28	2.13	7.24	1.59	3.17	3.4	4.56	dependent
322186	W37880	1	1	3.17	1	3.17	3.17	3.17	dependent
898032	AA598942	21.54	18.37	68.05	50.62	3.16	3.7	1.34	independent
242820	H94050	5.45	8.04	17.23	20.15	3.16	2.14	0.86	independent
241897	H93027	1.44	1.28	4.53	1.33	3.16	3.53	3.4	dependent
627676	AA196210	2.92	5.76	9.21	6.38	3.16	1.6	1.44	independent
684655	AA251770	134.64	172.65	425.1	237	3.16	2.46	1.79	partial
412927	AA707728	2.3	6.88	7.27	5.6	3.16	1.06	1.3	independent
461372	AA704902	2.6	2.8	8.21	2.15	3.16	2.94	3.81	dependent
208904	H63760	1.62	1.93	5.09	3.67	3.15	2.65	1.39	independent
142087	R69248	1.32	1.9	4.17	2.42	3.15	2.2	1.72	partial
471642	AA034939	5.28	3.88	16.64	9.65	3.15	4.29	1.73	partial
454795	AA677300	19.66	15.22	61.97	43.24	3.15	4.07	1.43	independent
841278	AA486836	7.76	10.41	24.39	35.77	3.14	2.34	0.68	independent
247466	N64285	4.85	5.53	15.22	16.32	3.14	2.75	0.93	independent
769911	AA430524	1.1	1	3.47	1.37	3.14	3.47	2.53	dependent
742672	AA401370	18.22	35.64	57.19	85.24	3.14	1.6	0.67	independent
1031548	AA609282	3.52	3.99	11.04	6.21	3.14	2.77	1.78	partial
162137	H25897	37.95	40.5	119.02	76.89	3.14	2.94	1.55	independent
85394	T71976	12.15	7.58	38	9.67	3.13	5.01	3.93	dependent
416782	W86760	1.01	1	3.17	1	3.13	3.17	3.17	dependent
727200	AA402482	1.95	2.77	6.1	6.37	3.13	2.2	0.96	independent
132878	R25652	15.08	13.67	47.2	33.48	3.13	3.45	1.41	independent
713145	AA282906	3.96	8.7	12.36	5.91	3.12	1.42	2.09	dependent
269224	N24715	1	1	3.12	2.64	3.12	3.12	1.18	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
365706	AA025408	1	1	3.12	4.27	3.12	3.12	0.73	independent
280507	N47312	91.14	55.92	284.24	70.38	3.12	5.08	4.04	dependent
897504	AA496924	29.19	22.02	91	59.56	3.12	4.13	1.53	independent
1031375	AA609138	1.15	1.57	3.6	2.11	3.12	2.29	1.7	partial
123354	T99617	4.92	4.65	15.31	14.42	3.11	3.29	1.06	independent
244637	N54914	98.13	109.39	305.15	272.06	3.11	2.79	1.12	independent
280735	N50549	16.57	12.39	51.48	37.16	3.11	4.15	1.39	independent
877646	AA488181	4.41	2.55	13.72	3.05	3.11	5.38	4.5	dependent
1412398	AA844998	1.69	2.64	5.25	1.44	3.11	1.99	3.64	dependent
285503	N64044	2.82	1.22	8.76	12.28	3.11	7.16	0.71	independent
725392	AA292064	13.4	21.44	41.67	25.56	3.11	1.94	1.63	partial
341137	W58325	7.18	7.53	22.21	21.79	3.1	2.95	1.02	independent
365536	AA009596	54.13	91.04	167.61	149.2	3.1	1.84	1.12	independent
121214	T97080	1.06	1.73	3.27	2.41	3.1	1.89	1.36	independent
290231	N62273	3.85	6.61	11.9	16.07	3.1	1.8	0.74	independent
68767	T53389	1	1.18	3.1	1	3.1	2.63	3.1	dependent
594323	AA169202	3.87	4.21	12	4.06	3.1	2.85	2.96	dependent
31022	R42561	1.55	1.38	4.82	9.73	3.1	3.48	0.5	independent
417706	W89107	1	1	3.1	1	3.1	3.1	3.1	dependent
682522	AA256502	14.51	22.79	44.81	42.56	3.09	1.97	1.05	independent
295916	W04152	42.52	53.97	131.33	107.89	3.09	2.43	1.22	independent
143322	R74357	16.72	32.11	51.57	43.1	3.09	1.61	1.2	independent
470128	AA029956	2.74	3.88	8.46	7.25	3.09	2.18	1.17	independent
39813	R53928	2.52	3.42	7.79	4.71	3.09	2.28	1.65	partial
44300	H06377	1	1	3.09	1	3.09	3.09	3.09	dependent
703916	AA279060	2.94	2.48	9.08	5.2	3.09	3.66	1.74	partial
289818	N62179	16.09	34.57	49.62	80.24	3.08	1.44	0.62	independent
796152	AA461078	15.81	18.45	48.75	19.32	3.08	2.64	2.52	dependent
590120	AA156022	2.45	3.1	7.54	6.03	3.08	2.43	1.25	independent
1031510	AA609242	3.21	5.19	9.88	6.64	3.08	1.9	1.49	independent
412967	AA707847	14.77	18.46	45.47	37.82	3.08	2.46	1.2	independent
141623	R69307	16.77	13.85	51.54	45.91	3.07	3.72	1.12	independent
427657	AA002153	2.33	2.57	7.16	3.92	3.07	2.78	1.83	partial
502666	AA127070	2.03	2.08	6.23	1.89	3.07	2.99	3.3	dependent
252864	H88362	2.15	3.75	6.62	7.48	3.07	1.76	0.88	independent
109275	T80832	1	1	3.07	2.16	3.07	3.07	1.43	independent
435926	AA701941	3.05	3.6	9.35	5.69	3.07	2.6	1.64	partial
321773	W33165	5.98	3.01	18.33	13.31	3.06	6.09	1.38	independent
296757	N70285	1.78	1.81	5.44	4.86	3.06	3	1.12	independent
26259	R20547	3.52	4.74	10.77	10.7	3.06	2.27	1.01	independent
309264	N93875	1.4	1.02	4.28	5.95	3.06	4.19	0.72	independent
782769	AA448170	3.06	4.11	9.36	12.54	3.06	2.28	0.75	independent
823796	AA490264	1.14	3.95	3.5	1.42	3.06	0.89	2.46	dependent
454668	AA677183	4.98	3.35	15.22	7.02	3.06	4.54	2.17	dependent
529861	AA070997	60.61	22.99	184.8	130.36	3.05	8.04	1.42	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
248412	N58558	7.04	4.86	21.45	4.48	3.05	4.41	4.78	dependent
853574	AA663440	3.71	2.94	11.31	4.52	3.05	3.84	2.5	dependent
429505	AA011383	15.12	29.27	46.17	36.75	3.05	1.58	1.26	independent
1472698	AA873152	32.78	54.48	100.06	93.85	3.05	1.84	1.07	independent
731432	AA412067	3.58	3.27	10.89	4.31	3.05	3.34	2.53	dependent
121994	T98244	4.87	8.75	14.83	9.72	3.04	1.7	1.53	partial
840882	AA482325	9.47	6.3	28.78	26.77	3.04	4.56	1.07	independent
360436	AA013481	68.32	79.48	207.99	132.54	3.04	2.62	1.57	partial
563860	AA101173	1.44	2.22	4.37	3.83	3.04	1.97	1.14	independent
731310	AA416760	1.38	1.93	4.18	3.82	3.04	2.16	1.09	independent
325365	W52273	1.95	1.96	5.91	2.21	3.03	3.02	2.68	dependent
486850	AA042911	1.3	1	3.95	1.8	3.03	3.95	2.2	dependent
742666	AA400273	2.37	5	7.2	3.91	3.03	1.44	1.84	partial
384252	AA702094	1.37	1.43	4.14	2.44	3.03	2.9	1.69	partial
295798	N66942	61.09	35.06	184.33	109.63	3.02	5.26	1.68	partial
125548	R07371	1.54	1.55	4.64	2.6	3.02	2.99	1.78	partial
823859	AA490688	24.56	24.74	74.15	23.88	3.02	3	3.11	dependent
41898	R59579	1.54	2.13	4.62	3.17	3.01	2.17	1.46	independent
781019	AA446301	78.96	41.56	238.08	202.15	3.01	5.73	1.18	independent
309993	W24076	1.67	1.5	5.04	2.74	3.01	3.37	1.84	partial
278687	N62924	93.83	79.7	282.63	135.75	3.01	3.55	2.08	dependent
38497	R49124	1.81	2.4	5.45	4.39	3.01	2.27	1.24	independent
261492	H98619	19.22	48.79	57.82	53.25	3.01	1.19	1.09	independent
134525	R27581	28.84	36.21	86.6	63.39	3	2.39	1.37	independent
815294	AA481547	1.07	1.52	3.2	1	3	2.1	3.2	dependent
430007	AA034115	5.31	9.87	15.92	7.27	3	1.61	2.19	dependent
897950	AA598814	5.51	7.94	16.54	8.7	3	2.08	1.9	partial
780944	AA429807	5.94	4.66	17.82	7.92	3	3.83	2.25	dependent
567414	AA130846	30.84	48.34	92.26	53.76	2.99	1.91	1.72	partial
275871	R93829	1	1.68	2.99	1.05	2.99	1.78	2.86	dependent
882483	AA676598	16.23	25.31	48.5	23.86	2.99	1.92	2.03	dependent
1031844	AA609686	1	1	2.99	1.5	2.99	2.99	1.99	partial
1412504	AA845168	1.73	1.64	5.19	1.61	2.99	3.16	3.23	dependent
43022	R60152	1.77	3.96	5.28	5.75	2.99	1.33	0.92	independent
782841	AA448280	2.79	2.29	8.33	5.38	2.98	3.65	1.55	partial
668442	AA243828	3.15	2.48	9.38	4.54	2.98	3.78	2.07	dependent
563621	AA102634	2.85	3.99	8.47	6.94	2.98	2.12	1.22	independent
179500	H51404	1.82	1.55	5.44	1	2.98	3.51	5.44	dependent
782677	AA447587	5.46	4.73	16.27	4.2	2.98	3.44	3.88	dependent
22600	T87235	1.71	2.21	5.09	4.99	2.98	2.31	1.02	independent
772904	AA479906	1	1	2.98	2.96	2.98	2.98	1.01	independent
545403	AA078976	146.08	183.33	435.11	333.41	2.98	2.37	1.31	independent
491186	AA137073	2.12	2.36	6.32	5.37	2.98	2.68	1.18	independent
415682	W84711	2.57	4.08	7.64	4.42	2.98	1.87	1.73	partial
48277	H12264	1	1.95	2.98	7.95	2.98	1.53	0.38	independent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
344959 W72870		2.99	2.6	8.93	2.75	2.98	3.44	3.25	dependent
1055543 AA620821		1.71	3.74	5.1	2.82	2.98	1.36	1.81	partial
787854 AA452138		1.1	3.01	3.28	1.57	2.98	1.09	2.09	dependent
757158 AA443939		4.06	8.88	12.09	8.39	2.98	1.36	1.44	independent
155644 R71781		1	1	2.98	1	2.98	2.98	2.98	dependent
417707 W88965		12.96	15.78	38.44	31.54	2.97	2.44	1.22	independent
531957 AA113881		5.35	8.84	15.88	12.68	2.97	1.8	1.25	independent
757250 AA426054		2.64	3.86	7.83	2.86	2.97	2.03	2.74	dependent
138477 R68630		1.03	1	3.05	3.5	2.96	3.05	0.87	independent
134229 R31965		1.27	1.38	3.77	1.66	2.96	2.74	2.28	dependent
78808 T51125		10.43	17.12	30.93	21.24	2.96	1.81	1.46	independent
416978 W87533		1.43	1.84	4.23	1.48	2.96	2.31	2.85	dependent
309288 N93924		65.9	61.77	195.36	114.06	2.96	3.16	1.71	partial
743304 AA400487		2.74	4.33	8.12	5.45	2.96	1.87	1.49	partial
202943 H54237		3.62	5.41	10.72	9.46	2.96	1.98	1.13	independent
242682 H93543		1.06	1.35	3.14	1.63	2.96	2.34	1.93	partial
428298 AA004946		1	3.8	2.96	3.02	2.96	0.78	0.98	independent
1031367 AA609135		1.33	2.79	3.94	2.09	2.96	1.41	1.88	partial
740344 AA477909		74.85	48.04	220.69	121.71	2.95	4.59	1.81	partial
897822 AA598572		8.8	8.02	25.99	21.35	2.95	3.24	1.22	independent
198607 R94947		2.21	2.62	6.53	3.96	2.95	2.49	1.65	partial
271696 N31572		2.37	2.96	7	10.49	2.95	2.37	0.67	independent
254662 N22510		3.31	2.87	9.77	10.34	2.95	3.4	0.94	independent
299459 N76133		6.88	10.04	20.27	17.96	2.95	2.02	1.13	independent
161763 H26294		8.82	19.41	26	18.07	2.95	1.34	1.44	independent
308415 N93797		6.43	4.83	18.92	6.34	2.94	3.92	2.99	dependent
298966 N71157		3.1	3.01	9.1	5.37	2.94	3.02	1.69	partial
195635 R89317		1.16	1.76	3.41	2.39	2.94	1.94	1.43	independent
666469 AA232953		2.13	3.73	6.26	5.2	2.94	1.68	1.21	independent
80507 T64494		3.55	4.2	10.42	12.95	2.94	2.48	0.8	independent
66965 T67552		7.06	6.38	20.69	19.65	2.93	3.24	1.05	independent
428979 AA005145		6.91	5.36	20.22	12.88	2.93	3.77	1.57	partial
291247 N72213		2.06	2.75	6.04	3.51	2.93	2.2	1.72	partial
40673 R56044		2.66	2.69	7.8	7.39	2.93	2.9	1.06	independent
503914 AA131769		13.71	33.51	40.15	26.51	2.93	1.2	1.51	partial
897768 AA598507		1.24	1	3.64	2	2.93	3.64	1.82	partial
666324 AA232200		1.39	4.6	4.08	3.95	2.93	0.89	1.03	independent
190753 H38660		1.12	1	3.3	1	2.93	3.3	3.3	dependent
241931 H93046		2.09	4.02	6.11	2.75	2.93	1.52	2.22	dependent
155627 R71777		17.99	26.9	52.76	32.43	2.93	1.96	1.63	partial
144878 R78539		9.08	5.76	26.5	22.38	2.92	4.6	1.18	independent
132848 R25641		1.97	1.89	5.74	4.87	2.92	3.04	1.18	independent
361323 AA017544		1.84	3.07	5.37	3.3	2.92	1.75	1.63	partial
501989 AA128156		9.22	7.43	26.9	15.86	2.92	3.62	1.7	partial
417223 W87747		4.97	3.01	14.51	7.2	2.92	4.82	2.01	dependent

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
262035	H98688	1.98	1.56	5.77	2.01	2.92	3.69	2.87	dependent
277506	N56891	1.9	2.14	5.54	2.93	2.92	2.59	1.89	partial
785980	AA449780	8.54	4.09	24.96	12.31	2.92	6.11	2.03	dependent
1069733	AA599574	49.87	48.72	145.47	51.53	2.92	2.99	2.82	dependent
826985	AA521370	1.89	1.92	5.5	1.27	2.92	2.87	4.32	dependent
814961	AA465536	22.92	29.78	66.99	38.62	2.92	2.25	1.73	partial
363377	AA019591	4.1	3.22	11.91	10.16	2.91	3.7	1.17	independent
142259	R70518	5.74	7.09	16.71	11.22	2.91	2.36	1.49	partial
233547	H78368	8.7	9.49	25.3	15.55	2.91	2.67	1.63	partial
548957	AA115919	76.55	98.49	222.46	364.77	2.91	2.26	0.61	independent
124034	R02558	2.38	3.09	6.91	2.67	2.91	2.24	2.59	dependent
593223	AA159669	152.83	209.64	444.4	506.28	2.91	2.12	0.88	independent
595318	AA164301	1.47	2	4.26	10.42	2.91	2.13	0.41	independent
489462	AA054554	24.46	27.79	71.27	91.36	2.91	2.56	0.78	independent
283619	N52876	3.51	2.91	10.22	2.66	2.91	3.51	3.84	dependent
134682	R28303	1.75	1.94	5.07	1.37	2.9	2.61	3.71	dependent
281162	N50962	1	1	2.9	1	2.9	2.9	2.9	dependent
505209	AA151127	2.61	2.6	7.59	3.39	2.9	2.92	2.24	dependent
46195	H09241	2.28	1.29	6.61	5.45	2.9	5.11	1.21	independent
813636	AA447731	164.23	97.69	475.95	407.91	2.9	4.87	1.17	independent
156033	R72432	1.41	2.51	4.08	1.64	2.9	1.62	2.48	dependent
487296	AA045500	1	1	2.9	4.88	2.9	2.9	0.59	independent
450423	AA682795	7.68	6.06	22.31	14.67	2.9	3.68	1.52	partial
285226	N66278	62.85	25.85	181.78	157.31	2.89	7.03	1.16	independent
111266	T84085	1	1.8	2.89	2.34	2.89	1.61	1.23	independent
40773	R56046	1.34	2.09	3.89	4.93	2.89	1.86	0.79	independent
325001	W49583	4.38	9.87	12.64	8.37	2.89	1.28	1.51	partial
726438	AA399237	2.29	2.94	6.62	6.82	2.89	2.25	0.97	independent
868472	AA634261	1	1	2.89	4.32	2.89	2.89	0.67	independent
284306	N52205	21.02	41.67	60.78	56.31	2.89	1.46	1.08	independent
126221	R06309	27.52	20.3	79.28	57.76	2.88	3.91	1.37	independent
287300	N68327	1.93	2.38	5.56	4.46	2.88	2.34	1.25	independent
379200	AA683550	141.61	69.39	408.08	246.24	2.88	5.88	1.66	partial
282498	N49852	2.05	3.78	5.9	2.79	2.88	1.56	2.12	dependent
502891	AA135824	30.05	32.38	86.68	56.11	2.88	2.68	1.54	partial
266347	N26740	6.37	5.58	18.33	15.45	2.88	3.28	1.19	independent
278430	N66104	9.71	11.71	27.95	14.97	2.88	2.39	1.87	partial
754563	AA406313	2.93	2.67	8.43	7.34	2.88	3.16	1.15	independent
730294	AA412512	2.08	1.4	6	1	2.88	4.29	6	dependent
898096	AA598795	52.72	30.83	151.24	144.38	2.87	4.91	1.05	independent
280837	N50770	7.66	8.41	22.01	19.05	2.87	2.62	1.16	independent
433553	AA699469	2.32	3.89	6.64	3.67	2.87	1.71	1.81	partial
280131	N47003	2.14	3.66	6.14	2.66	2.87	1.68	2.31	dependent
1031516	AA609245	6.06	5.92	17.36	14.68	2.87	2.93	1.18	independent
491001	AA136710	316.33	363.76	908.89	507.85	2.87	2.5	1.79	partial

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
855391	AA664007	12.83	18.92	36.79	25.08	2.87	1.94	1.47	partial
292388	N79230	42.64	12.73	121.88	82.09	2.86	9.58	1.48	partial
129000	R10363	2	3.06	5.72	5.37	2.86	1.87	1.07	independent
202901	H54183	6.24	3.06	17.83	12.46	2.86	5.83	1.43	partial
430049	AA034183	1.31	1.5	3.75	1.61	2.86	2.51	2.33	dependent
739511	AA478066	12.95	10.02	36.96	12.35	2.86	3.69	2.99	dependent
194134	H51039	1.09	1.31	3.11	1.49	2.86	2.37	2.08	dependent
773253	AA425877	6.48	6.73	18.52	7.04	2.86	2.75	2.63	dependent
42415	R60981	3.1	1.45	8.84	1	2.86	6.12	8.84	dependent
357364	W93709	1.87	1.52	5.36	3.95	2.86	3.53	1.36	independent
27459	R40077	1.79	1	5.12	1.06	2.86	5.12	4.85	dependent
700967	AA287828	1	1	2.86	1	2.86	2.86	2.86	dependent
810813	AA458884	91.85	34.8	261.97	48.25	2.85	7.53	5.43	dependent
253222	H88908	1.97	2.97	5.61	5.77	2.85	1.88	0.97	independent
201931	H52446	1	1	2.85	2.42	2.85	2.85	1.18	independent
745166	AA626717	1	1	2.85	1	2.85	2.85	2.85	dependent
789204	AA450205	64.37	35.52	183.02	79.06	2.84	5.15	2.31	dependent
77728	T55931	69.66	63.02	198.06	144.68	2.84	3.14	1.37	independent
202535	H53340	18.71	7.87	53.21	61.88	2.84	6.76	0.86	independent
47359	H11003	8.55	4.77	24.26	17.34	2.84	5.09	1.4	independent
254775	N22796	10.55	8.81	29.95	11.89	2.84	3.4	2.52	dependent
609209	AA167120	7.97	2.36	22.61	7.55	2.84	9.57	2.99	dependent
129347	R12695	4.69	3.34	13.31	10.99	2.84	3.98	1.21	independent
30102	R40228	2	1.82	5.67	2.62	2.84	3.11	2.17	dependent
1031688	AA609551	2.13	2.56	6.05	2.86	2.84	2.36	2.11	dependent
451570	AA707066	4.09	3.61	11.62	1.34	2.84	3.22	8.65	dependent
814682	AA481060	62.8	110.43	178.32	115.18	2.84	1.61	1.55	partial
265103	N21338	1	1	2.84	1.38	2.84	2.84	2.06	dependent
66443	R15734	1.41	1.63	3.98	3.21	2.83	2.44	1.24	independent
81394	T60191	5.63	4.09	15.91	7.94	2.83	3.89	2	partial
342753	W68421	1.65	3.53	4.67	5.44	2.83	1.32	0.86	independent
377275	AA055486	20.54	71.95	58.13	77.89	2.83	0.81	0.75	independent
32756	R43308	1.11	1.34	3.15	1.2	2.83	2.36	2.63	dependent
277974	N63436	1.04	1.42	2.95	1.14	2.83	2.08	2.6	dependent
565734	AA135809	22	19.05	62.32	21.48	2.83	3.27	2.9	dependent
824936	AA489033	17	40.93	48.09	45.15	2.83	1.17	1.07	independent
809413	AA459905	1.88	3.67	5.31	5.72	2.82	1.45	0.93	independent
342008	W60057	72.83	59.78	205.1	95.4	2.82	3.43	2.15	dependent
366541	AA026626	9.37	11.12	26.41	30.35	2.82	2.38	0.87	independent
46097	H08796	2.69	4	7.6	4.13	2.82	1.9	1.84	partial
823718	AA489653	1.36	1.67	3.84	1.7	2.82	2.29	2.25	dependent
417263	W87781	3.09	2.33	8.72	4.94	2.82	3.74	1.77	partial
203700	H56052	2.32	2.49	6.55	2.53	2.82	2.63	2.58	dependent
358468	W96014	7.11	5.1	19.96	19.12	2.81	3.91	1.04	independent
810567	AA464578	21.2	14.85	59.52	36.46	2.81	4.01	1.63	partial

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Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
452848	AA704816	1.88	2.86	5.28	3.16	2.81	1.85	1.67	partial
287807	N59178	3.25	3.24	9.12	2.64	2.81	2.81	3.45	dependent
285370	N66348	3.94	5.13	11.07	12	2.81	2.16	0.92	independent
201168	R98532	10.89	8.25	30.48	27.73	2.8	3.69	1.1	independent
294127	N71365	1.64	2.33	4.59	4.16	2.8	1.97	1.1	independent
859627	AA666405	1	1.37	2.8	1.38	2.8	2.05	2.03	dependent
344958	W72892	8.79	11.29	24.61	16.67	2.8	2.18	1.48	partial
767284	AA418414	2.21	3.94	6.19	3	2.8	1.57	2.07	dependent
782703	AA447611	4.65	7.46	13.04	11.47	2.8	1.75	1.14	independent
121639	T97602	1.88	2.78	5.26	3.12	2.8	1.89	1.68	partial
242687	H93550	1.34	2.04	3.73	1.97	2.79	1.83	1.9	partial
260336	H99257	3.8	4.64	10.6	5.62	2.79	2.29	1.88	partial
509943	AA052960	124.13	39.65	345.77	174.47	2.79	8.72	1.98	partial
202897	H54023	2.01	3.11	5.61	32.27	2.79	1.81	0.17	independent
41558	R67259	2.31	1.45	6.44	5.46	2.79	4.43	1.18	independent
144856	R78565	2.73	5.11	7.63	4.09	2.79	1.49	1.86	partial
280308	N47075	1.07	1.64	3	4.53	2.79	1.82	0.66	independent
838616	AA456968	4.67	6.23	13.04	11.49	2.79	2.09	1.13	independent
505007	AA151297	1.31	2.14	3.65	2.7	2.79	1.7	1.35	independent
193397	H48105	12.43	15.98	34.7	16.86	2.79	2.17	2.06	dependent
109221	T81399	7.23	6.44	20.09	9.28	2.78	3.12	2.16	dependent
178860	H49519	5.51	4.7	15.35	5.59	2.78	3.26	2.75	dependent
277627	N45979	19.58	20.89	54.36	42.39	2.78	2.6	1.28	independent
756595	AA444051	1.97	1.27	5.49	3.2	2.78	4.32	1.72	partial
39586	R51908	156.22	91.86	433.56	403.58	2.78	4.72	1.07	independent
247276	N57954	3.15	2.21	8.77	6.01	2.78	3.97	1.46	partial
277621	N49389	9.91	12.68	27.54	9.09	2.78	2.17	3.03	dependent
241482	H80707	3.24	2.54	8.98	9.72	2.77	3.53	0.92	independent
121540	T97699	1.68	2.74	4.65	3.58	2.77	1.7	1.3	independent
344033	W70046	2.49	2.76	6.91	3.51	2.77	2.51	1.97	partial
782775	AA448173	2.57	2.72	7.12	4.58	2.77	2.62	1.55	partial
796498	AA460225	39.16	20.82	108.66	91.39	2.77	5.22	1.19	independent
291155	N72165	26.9	52.08	74.57	67.29	2.77	1.43	1.11	independent
341706	W60581	34.32	14.89	94.78	90.37	2.76	6.37	1.05	independent
234425	H93264	1.34	2.61	3.69	2.23	2.76	1.41	1.65	partial
130358	R21770	2.77	1.3	7.64	4.92	2.76	5.88	1.55	partial
505059	AA150918	17.59	11.12	48.61	19.16	2.76	4.37	2.54	dependent
49435	H15396	2.55	2.32	7.04	4.58	2.76	3.03	1.54	partial
430968	AA678335	1.6	1.1	4.4	1.02	2.76	3.99	4.3	dependent
1031984	AA609987	1.29	1.91	3.57	3.58	2.76	1.87	1	independent
505454	AA156433	1.62	1.73	4.46	2.43	2.76	2.58	1.83	partial
243602	N49717	9.89	11.26	27.33	18.67	2.76	2.43	1.46	partial
950445	AA599092	200.68	78.35	551.7	305.18	2.75	7.04	1.81	partial
76362	T60235	142.28	257.87	391.05	304.84	2.75	1.52	1.28	independent
23588	R38369	3.64	4.2	9.99	10.16	2.75	2.38	0.98	independent

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Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
771274	AA443602	1	1	2.75	1	2.75	2.75	2.75	dependent
280567	N51674	1.72	1.4	4.75	2.35	2.75	3.4	2.02	dependent
265294	N20848	3.65	4.7	10.03	5.36	2.75	2.13	1.87	partial
1056186	AA621001	4.32	3.73	11.89	3.55	2.75	3.18	3.35	dependent
781283	AA446344	2.13	3.41	5.88	2.75	2.75	1.73	2.13	dependent
287598	N62132	23.12	18.78	63.54	34.63	2.75	3.38	1.83	partial
324513	W51909	8.33	1.68	22.93	4.01	2.75	13.68	5.72	dependent
432480	AA699495	1.67	1.26	4.58	2.31	2.75	3.63	1.98	partial
194804	R89808	19.01	14.68	52.15	41.39	2.74	3.55	1.26	independent
165818	R86843	1	1	2.74	1	2.74	2.74	2.74	dependent
383188	AA074224	2.62	2.68	7.2	6.11	2.74	2.69	1.18	independent
148028	H13623	43	59.42	117.73	52.2	2.74	1.98	2.26	dependent
823621	AA496960	1.75	2.75	4.81	1.77	2.74	1.75	2.72	dependent
757258	AA426056	2.18	2.72	5.97	3.97	2.74	2.19	1.51	partial
840467	AA485877	21.28	22.61	58.28	29.95	2.74	2.58	1.95	partial
416769	W86648	2.48	4.29	6.8	4.22	2.74	1.58	1.61	partial
383967	AA702740	7.28	10.33	19.98	16.48	2.74	1.93	1.21	independent
323623	W44411	20.36	23.49	55.61	61.3	2.73	2.37	0.91	independent
197793	R93729	1.44	1.52	3.92	1.22	2.73	2.58	3.21	dependent
50749	H17322	4.72	6.88	12.92	13.12	2.73	1.88	0.98	independent
346055	W72098	2.5	2.88	6.81	5.03	2.73	2.37	1.35	independent
285581	N66454	4.35	5.52	11.86	11.08	2.73	2.15	1.07	independent
28243	R40855	1.22	2.84	3.33	1	2.73	1.17	3.33	dependent
502436	AA134862	36.08	53.9	98.56	58.65	2.73	1.83	1.68	partial
150126	H01915	32.85	27.94	89.72	54.29	2.73	3.21	1.65	partial
362457	AA018276	1.01	1	2.76	1	2.73	2.76	2.76	dependent
259950	N32587	60.84	61.05	165.81	95.38	2.73	2.72	1.74	partial
200773	R96844	2.16	3.82	5.87	9.32	2.72	1.54	0.63	independent
133972	R28020	47.6	41.17	129.27	115.8	2.72	3.14	1.12	independent
504226	AA132090	1.41	1.56	3.83	1.35	2.72	2.46	2.83	dependent
416981	W87541	59.27	48.16	161.41	100.39	2.72	3.35	1.61	partial
342208	W63785	11.41	24.85	31.03	25.32	2.72	1.25	1.23	independent
376356	AA041300	10.5	9.22	28.52	20.56	2.72	3.09	1.39	partial
773381	AA425754	25.13	32.84	68.28	40.29	2.72	2.08	1.69	partial
281116	N50937	2.34	2.85	6.35	3.75	2.72	2.23	1.7	partial
730055	AA416979	2.85	3.04	7.75	4.53	2.72	2.55	1.71	partial
781404	AA430202	1.74	1.16	4.74	1.68	2.72	4.07	2.82	dependent
290244	N64389	2.04	3.21	5.55	4.66	2.72	1.73	1.19	independent
742685	AA400292	2.62	4.41	7.12	6.25	2.72	1.62	1.14	independent
609047	AA167500	3.05	3.35	8.28	7.76	2.72	2.47	1.07	independent
743186	AA401410	2.81	3.26	7.66	7.56	2.72	2.35	1.01	independent
190325	H29897	56.04	70.85	152.2	61.51	2.72	2.15	2.47	dependent
488888	AA046067	20.04	14.98	54.31	23.66	2.71	3.62	2.3	dependent
795876	AA460140	13.2	8.82	35.81	22.98	2.71	4.06	1.56	partial
788507	AA452572	15.98	15.47	43.34	35.3	2.71	2.8	1.23	independent

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Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
60605	T40568	4.71	6.05	12.76	9.9	2.71	2.11	1.29	independent
703559	AA278865	9.75	7.85	26.42	8.87	2.71	3.37	2.98	dependent
435651	AA701297	7.79	12.91	21.11	11.47	2.71	1.64	1.84	partial
246766	N53167	1.23	1.61	3.33	1.6	2.7	2.07	2.08	dependent
454822	AA677388	1.42	1.36	3.82	2.66	2.7	2.81	1.44	partial
838230	AA458674	8.02	11.77	21.65	9.71	2.7	1.84	2.23	dependent
587415	AA132520	4.83	4.49	13.06	9.35	2.7	2.91	1.4	partial
307774	N93057	2.23	5.54	6.03	4.11	2.7	1.09	1.47	partial
502762	AA125869	3.12	2.62	8.4	2.99	2.69	3.21	2.81	dependent
884867	AA669443	6.18	9.65	16.64	9.45	2.69	1.73	1.76	partial
291786	N67860	1.58	1.32	4.25	2.25	2.69	3.22	1.89	partial
47426	H11086	1.17	1.93	3.15	3.25	2.69	1.63	0.97	independent
377671	AA055979	1	1	2.69	1	2.69	2.69	2.69	dependent
428083	AA001672	1.11	1.18	2.98	5.23	2.69	2.54	0.57	independent
884719	AA629567	912.9	536.42	2451.16	1573.34	2.69	4.57	1.56	partial
284286	N52192	4.26	4.27	11.46	6.84	2.69	2.68	1.67	partial
377441	AA055242	3.93	2.36	10.59	3.36	2.69	4.48	3.16	dependent
824530	AA490894	52.9	47.29	142.07	80.29	2.69	3	1.77	partial
163841	H14057	21.98	11.77	59.11	29.99	2.69	5.02	1.97	partial
206882	R98905	14.81	16.57	39.75	23.94	2.68	2.4	1.66	partial
796148	AA460975	1.48	2.77	3.96	2.7	2.68	1.43	1.47	partial
399152	AA733105	1	1	2.68	1	2.68	2.68	2.68	dependent
782386	AA431402	2.56	3.76	6.87	4.43	2.68	1.83	1.55	partial
127711	R09504	6.89	7.66	18.47	12.99	2.68	2.41	1.42	partial
814309	AA459108	14.35	42.58	38.46	46.16	2.68	0.9	0.83	independent
701402	AA287936	37.76	29.61	101.22	81.09	2.68	3.42	1.25	independent
246703	N59716	13.48	8.45	35.98	47.88	2.67	4.26	0.75	independent
842933	AA489329	1.82	2.7	4.88	4.12	2.67	1.81	1.19	independent
258120	N30868	2.33	4.73	6.23	5.1	2.67	1.32	1.22	independent
342647	W68281	12.22	10.63	32.63	22.35	2.67	3.07	1.46	partial
270274	N33550	1.13	1.03	3.01	1.87	2.67	2.92	1.61	partial
767844	AA418737	7.51	6.23	20.07	11.6	2.67	3.22	1.73	partial
781339	AA448394	3	3	8.01	1.75	2.67	2.67	4.57	dependent
825781	AA505116	5.55	1.3	14.81	2.01	2.67	11.42	7.36	dependent
197856	R96208	1.39	2.35	3.69	2.91	2.66	1.57	1.27	independent
841664	AA487560	44.6	64.22	118.44	78.63	2.66	1.84	1.51	partial
731273	AA420997	3.64	3.52	9.67	9.49	2.66	2.75	1.02	independent
809527	AA454582	9.29	11.03	24.75	19.44	2.66	2.24	1.27	independent
855586	AA664219	345.4	357.65	917.1	490.02	2.66	2.56	1.87	partial
111736	T91204	2.26	1.71	6	1.97	2.66	3.5	3.04	dependent
282446	N52017	3.75	4.68	9.98	4.16	2.66	2.13	2.4	dependent
306077	N91481	10.93	19.59	29.08	13.81	2.66	1.48	2.11	dependent
377679	AA056010	3.21	8.97	8.54	9.58	2.66	0.95	0.89	independent
244011	N38791	3.51	3.82	9.32	7.8	2.66	2.44	1.19	independent
279513	N48824	2.2	3.2	5.83	1.14	2.66	1.83	5.12	dependent

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646749	AA205572	11.7	27.09	31.14	26.01	2.66	1.15	1.2	independent
486348	AA044299	27.27	16.36	72.68	35.22	2.66	4.44	2.06	dependent
244847	N52572	6.23	5.48	16.53	17.28	2.65	3.02	0.96	independent
502496	AA156859	10.38	9.29	27.51	28.64	2.65	2.96	0.96	independent
259587	N32766	2.36	3.84	6.26	4.66	2.65	1.63	1.34	partial
127462	R08772	1	1.13	2.65	1.33	2.65	2.34	2	partial
134690	R28267	1.6	2.17	4.23	1	2.65	1.95	4.23	dependent
208027	H59780	2.59	2.51	6.86	5.3	2.65	2.73	1.29	independent
731108	AA421489	3.41	2.2	9.05	8.29	2.65	4.12	1.09	independent
666451	AA232939	4.47	5.29	11.82	7.47	2.65	2.24	1.58	partial
1030848	AA621747	1.97	2.26	5.2	4.43	2.65	2.31	1.18	independent
280156	N47009	1.64	2.53	4.36	1.97	2.65	1.72	2.21	dependent
207546	H59722	8.1	9.68	21.47	19.42	2.65	2.22	1.11	independent
254310	N22262	3.66	5.48	9.7	5.83	2.65	1.77	1.66	partial
754291	AA479498	1.23	1.67	3.27	3.62	2.65	1.96	0.9	independent
454333	AA677254	12.35	8.56	32.71	13.98	2.65	3.82	2.34	dependent
431029	AA758470	1	1	2.65	1.58	2.65	2.65	1.67	partial
324342	W47576	4.46	6.6	11.75	8.57	2.64	1.78	1.37	partial
66919	T67474	15.19	6.55	40.16	19.51	2.64	6.14	2.06	dependent
787861	AA452376	12.18	14.95	32.14	29.76	2.64	2.15	1.08	independent
491157	AA114864	5.62	7.08	14.81	15.11	2.64	2.09	0.98	independent
810131	AA464250	3.38	5.67	8.94	8.01	2.64	1.58	1.12	independent
731075	AA421292	12.13	15.9	32.02	26.04	2.64	2.01	1.23	independent
415459	W80591	10.35	15.71	27.35	25.74	2.64	1.74	1.06	independent
773392	AA425749	4.79	4.51	12.67	4.16	2.64	2.81	3.05	dependent
753236	AA406373	10.36	13.07	27.35	11.79	2.64	2.09	2.32	dependent
376423	AA041388	1.82	1.23	4.81	2.83	2.64	3.9	1.7	partial
28927	R40373	7.95	6.81	20.98	8.83	2.64	3.08	2.38	dependent
756211	AA481868	7.17	6.61	18.87	13.85	2.63	2.86	1.36	partial
786672	AA451891	1.46	3.23	3.84	6.38	2.63	1.19	0.6	independent
67625	T49530	21.75	11.4	57.19	37.6	2.63	5.02	1.52	partial
361688	W96197	1	1.01	2.63	3.72	2.63	2.59	0.71	independent
590692	AA156324	20.71	29.31	54.56	57	2.63	1.86	0.96	independent
455115	AA676802	2.74	3.84	7.2	3.8	2.63	1.88	1.89	partial
270062	N27841	2.67	4.51	7.03	3.64	2.63	1.56	1.93	partial
429789	AA009648	3.44	7.1	9.06	7.97	2.63	1.28	1.14	independent
1323539	AA858296	1.75	1.89	4.6	3.64	2.63	2.43	1.27	independent
731193	AA417356	1.84	3.21	4.82	1.69	2.63	1.5	2.85	dependent
450064	AA703393	8.7	8.55	22.87	13.62	2.63	2.67	1.68	partial
128126	R09561	59.22	153.2	155.07	323.43	2.62	1.01	0.48	independent
668182	AA252169	7.74	5.96	20.32	24.91	2.62	3.41	0.82	independent
122178	T98615	1	1	2.62	1	2.62	2.62	2.62	dependent
289421	N63953	12.35	9.12	32.4	19.26	2.62	3.55	1.68	partial
809473	AA443119	28.77	52.89	75.51	94.09	2.62	1.43	0.8	independent
429749	AA011694	1.16	2.11	3.04	1.87	2.62	1.44	1.63	partial

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
121551	T97710	39.54	21.56	103.47	54.42	2.62	4.8	1.9	partial
739109	AA421518	51.84	30.93	135.92	96.43	2.62	4.4	1.41	partial
795685	AA459936	1.15	1.07	3	1.77	2.62	2.8	1.69	partial
210789	H64380	2.03	2.52	5.32	26.01	2.62	2.11	0.2	independent
266407	N21665	2.89	2.07	7.58	3.77	2.62	3.67	2.01	dependent
282831	N50138	1.95	1.48	5.1	1.99	2.62	3.43	2.56	dependent
431671	AA680388	13.48	10.55	35.35	22.48	2.62	3.35	1.57	partial
824526	AA490892	2.42	1.54	6.34	1	2.62	4.12	6.34	dependent
122295	T99114	19.06	27.8	49.68	56.92	2.61	1.79	0.87	independent
823663	AA489729	7.59	9.62	19.77	18.63	2.61	2.05	1.06	independent
161458	H25547	5.66	5.96	14.76	7.14	2.61	2.48	2.07	dependent
877636	AA488177	41.31	60.35	107.76	98.04	2.61	1.79	1.1	independent
729964	AA416890	6.49	8.62	16.95	20.64	2.61	1.97	0.82	independent
289868	N62077	12.38	19.67	32.29	23.11	2.61	1.64	1.4	partial
220164	H85101	2.3	2.76	6.01	3.12	2.61	2.18	1.92	partial
252274	H87151	1	1	2.61	1	2.61	2.61	2.61	dependent
272155	N31484	7.4	10.17	19.36	17.3	2.61	1.9	1.12	independent
771236	AA443557	63.32	46.19	164.8	119.39	2.6	3.57	1.38	partial
788285	AA452627	2.96	2.16	7.7	2.98	2.6	3.57	2.59	dependent
198582	R94810	2.53	4.95	6.59	5.78	2.6	1.33	1.14	independent
203302	H54764	17.45	11.89	45.42	29.9	2.6	3.82	1.52	partial
292033	N73290	1.79	1.99	4.66	4.62	2.6	2.34	1.01	independent
502622	AA136054	126.72	59.57	329.11	113.93	2.6	5.52	2.89	dependent
878468	AA670380	3.46	3.69	9	4.6	2.6	2.44	1.95	partial
341978	W61361	9.72	10.08	25.29	9.24	2.6	2.51	2.74	dependent
725176	AA401883	73.46	113.9	191	244.17	2.6	1.68	0.78	independent
268736	N25945	58.13	51.33	151.08	57.32	2.6	2.94	2.64	dependent
795456	AA453623	52.15	49.55	135.7	83.48	2.6	2.74	1.63	partial
811897	AA454651	9.51	13.13	24.71	25.53	2.6	1.88	0.97	independent
1056172	AA620995	12.4	16.89	32.28	25.65	2.6	1.91	1.26	independent
757160	AA443940	3.15	2.51	8.2	2.11	2.6	3.26	3.88	dependent
38007	R61530	1.01	2.86	2.62	1.11	2.6	0.92	2.36	dependent
282780	N50108	2.23	3.42	5.79	4.14	2.6	1.69	1.4	partial
183556	H44032	1.22	1.1	3.18	7.5	2.6	2.9	0.42	independent
724615	AA291398	27.26	6.2	70.47	29.74	2.59	11.36	2.37	dependent
212438	H69528	18.65	31.69	48.3	37.39	2.59	1.52	1.29	independent
306996	N93646	3.38	2.54	8.76	7.67	2.59	3.44	1.14	independent
365411	AA025237	1.72	1.19	4.45	2.52	2.59	3.74	1.77	partial
811565	AA454600	1.73	2.26	4.49	5.69	2.59	1.99	0.79	independent
49532	H15727	1.88	1.95	4.86	4.35	2.59	2.5	1.12	independent
757210	AA443971	7.84	5.51	20.32	9.96	2.59	3.69	2.04	dependent
47586	H11737	1.32	1.66	3.43	1.25	2.59	2.06	2.73	dependent
809714	AA455476	42.34	39.96	109.78	67.41	2.59	2.75	1.63	partial
289379	N73803	3.05	4.39	7.91	5.84	2.59	1.8	1.35	partial
743537	AA609432	3.56	3.76	9.21	4.82	2.59	2.45	1.91	partial

TABLE 1

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
113160	T83842	4.46	3.8	11.55	15.63	2.59	3.04	0.74	independent
730872	AA417026	3.02	3.45	7.83	6.94	2.59	2.27	1.13	independent
417294	W88785	3.18	4.16	8.24	5.72	2.59	1.98	1.44	partial
271799	N31605	11.78	12.21	30.52	20.69	2.59	2.5	1.48	partial
131877	R25153	1.49	1.14	3.84	1.33	2.58	3.38	2.89	dependent
342994	W68009	9.79	11.45	25.3	15.9	2.58	2.21	1.59	partial
739126	AA421687	12.88	9.1	33.22	23.45	2.58	3.65	1.42	partial
320871	W44768	1.62	2.86	4.19	5.09	2.58	1.46	0.82	independent
341804	W60838	6.68	7.86	17.25	13.93	2.58	2.19	1.24	independent
897649	AA496801	1.19	1.03	3.08	1	2.58	2.99	3.08	dependent
878836	AA670429	2.43	3.82	6.26	5.37	2.58	1.64	1.17	independent
796712	AA460695	1.46	1.49	3.78	1.37	2.58	2.53	2.76	dependent
487035	AA043979	8.48	5.76	21.89	16.08	2.58	3.8	1.36	partial
1031642	AA609512	3.81	5.17	9.82	6.43	2.58	1.9	1.53	partial
1031346	AA609106	2.99	3.44	7.71	4.61	2.58	2.24	1.67	partial
431573	AA676354	4.69	3.25	12.09	4.23	2.58	3.71	2.86	dependent
683481	AA215414	2.56	2.65	6.62	2.07	2.58	2.5	3.19	dependent
814791	AA455242	65.59	176.66	168.9	130.53	2.58	0.96	1.29	partial
293191	N91677	82.33	100.15	211.62	195.01	2.57	2.11	1.09	independent
796542	AA463830	5.53	6.77	14.23	11.49	2.57	2.1	1.24	independent
199367	R95691	5.28	8.55	13.59	12.79	2.57	1.59	1.06	independent
194607	R87650	8.52	9.75	21.92	15.2	2.57	2.25	1.44	partial
32483	R43456	5.12	7.92	13.13	15.06	2.57	1.66	0.87	independent
67715	T49610	9.1	10.64	23.37	23.75	2.57	2.2	0.98	independent
298603	N70608	1	1.78	2.57	2.27	2.57	1.45	1.13	independent
344010	W70242	6.73	2.67	17.28	9.39	2.57	6.46	1.84	partial
453641	AA775899	6.95	7.6	17.87	8.18	2.57	2.35	2.19	dependent
713213	AA283631	1.78	1	4.59	2.48	2.57	4.59	1.85	partial
50460	H16789	1	1	2.57	1	2.57	2.57	2.57	dependent
825461	AA504354	10.86	20.71	27.87	22.52	2.57	1.35	1.24	independent
700830	AA283819	21.76	23.21	55.96	37.22	2.57	2.41	1.5	partial
303152	N92749	1	1	2.57	1	2.57	2.57	2.57	dependent
814989	AA465723	109.34	66.73	280.97	123.99	2.57	4.21	2.27	dependent
175759	H41572	1	1	2.57	1.23	2.57	2.57	2.09	dependent
129147	R10903	1	1	2.57	1	2.57	2.57	2.57	dependent
840364	AA485626	97.73	82.6	249.77	213.86	2.56	3.02	1.17	independent
132464	R26581	4.11	3.26	10.51	8.75	2.56	3.23	1.2	independent
279329	N46360	1	1.4	2.56	2.24	2.56	1.83	1.14	independent
299721	N75054	1.37	1.28	3.49	2.82	2.56	2.72	1.24	independent
229949	H70887	1.65	1.42	4.23	1	2.56	2.98	4.23	dependent
162491	H27752	3.5	4.55	8.97	4.92	2.56	1.97	1.82	partial
754460	AA410292	2.77	3.97	7.09	5.43	2.56	1.78	1.31	partial
743161	AA401404	3.6	5.22	9.19	6.19	2.56	1.76	1.49	partial
782757	AA448012	5.14	9.1	13.18	8.25	2.56	1.45	1.6	partial
824237	AA491249	350.2	273.74	897.7	487.54	2.56	3.28	1.84	partial

TABLE 1

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Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
814815	AA455261	3.31	6.02	8.45	3.57	2.56	1.4	2.37	dependent
786202	AA448690	182.82	188.44	466.06	418.21	2.55	2.47	1.11	independent
949938	AA599177	113.66	84.79	290.23	317.16	2.55	3.42	0.92	independent
282378	N52696	6.15	5.17	15.7	3.47	2.55	3.04	4.52	dependent
877613	AA488221	18.68	40.59	47.65	49.78	2.55	1.17	0.96	independent
853809	AA668470	44.45	66.64	113.48	83.75	2.55	1.7	1.35	partial
810951	AA459396	10.81	10.77	27.56	22.79	2.55	2.56	1.21	independent
77238	T50137	5.33	6.46	13.58	12.48	2.55	2.1	1.09	independent
796287	AA460849	77.77	110.1	198.67	196.36	2.55	1.8	1.01	independent
51842	H24308	1.86	3.02	4.72	4.41	2.55	1.56	1.07	independent
296748	N74052	1.91	2.94	4.87	3.32	2.55	1.65	1.46	partial
757352	AA437107	2.55	4.41	6.51	7.8	2.55	1.48	0.83	independent
243453	N33603	2.69	2.39	6.85	2.04	2.55	2.87	3.35	dependent
771303	AA443638	18.3	44.75	46.74	54.32	2.55	1.04	0.86	independent
814792	AA465611	78.42	72.26	199.18	124.65	2.54	2.76	1.6	partial
739983	AA477501	2.51	2.45	6.39	3.93	2.54	2.61	1.63	partial
823900	AA490493	41.9	47.32	106.37	74.16	2.54	2.25	1.43	partial
811890	AA454970	6.8	11.8	17.27	19.54	2.54	1.46	0.88	independent
878280	AA670279	2.99	3.3	7.6	8.24	2.54	2.3	0.92	independent
283739	N52970	19.43	35.8	49.36	61.49	2.54	1.38	0.8	independent
81449	T63490	6.46	13.15	16.44	25.65	2.54	1.25	0.64	independent
325674	W51835	3.3	2.97	8.38	5.26	2.54	2.83	1.59	partial
795820	AA461492	2.91	2.31	7.4	2.67	2.54	3.2	2.77	dependent
951016	AA620418	4.4	4.23	11.16	8.04	2.54	2.64	1.39	partial
730038	AA416989	1.71	3.09	4.35	5.84	2.54	1.41	0.75	independent
1031362	AA609122	1.97	3.87	4.99	2.78	2.54	1.29	1.79	partial
754218	AA479148	2.11	3.79	5.36	4.73	2.54	1.41	1.13	independent
205582	H58175	14.38	19.18	36.49	23.92	2.54	1.9	1.53	partial
451788	AA706804	1	1	2.54	1	2.54	2.54	2.54	dependent
165878	R87964	1.06	2.64	2.7	2.4	2.53	1.02	1.12	independent
180520	R85213	44.14	28.32	111.85	93.17	2.53	3.95	1.2	independent
130028	R11613	1.72	2.73	4.36	3.84	2.53	1.59	1.14	independent
306380	W19653	11.07	7.2	28.04	23.35	2.53	3.89	1.2	independent
503052	AA149443	2.02	2.58	5.12	1.48	2.53	1.98	3.46	dependent
50918	H19320	1	1	2.53	2.62	2.53	2.53	0.97	independent
781460	AA428655	4.95	3.46	12.54	7.51	2.53	3.62	1.67	partial
204465	H58222	1.84	3.18	4.66	1.77	2.53	1.47	2.63	dependent
46375	H09086	66.88	131.72	169.02	183.32	2.53	1.28	0.92	independent
726439	AA399245	1.02	1	2.57	1	2.53	2.57	2.57	dependent
730564	AA435953	4.65	6.31	11.78	8.33	2.53	1.86	1.41	partial
839372	AA490077	29.51	42.26	74.61	43.71	2.53	1.77	1.71	partial
247084	N57849	3.43	2.23	8.66	3.7	2.53	3.88	2.34	dependent
435663	AA701300	31.82	32.42	80.58	45.82	2.53	2.49	1.76	partial
824419	AA490235	15.06	18.6	38.11	18.22	2.53	2.05	2.09	dependent
179193	H50128	6.71	11.76	16.96	8.34	2.53	1.44	2.03	dependent

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Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinLPA vs OVCAR3	UpinLPA vs LYS	UpinLPA vs LPA+LYS	PI3K dependency
232612 H73420		8.63	4.16	21.73	18.06	2.52	5.22	1.2	independent
842849 AA486289		93.3	85.88	235.25	129.64	2.52	2.74	1.81	partial
22918 R45255		254	268.71	640.03	314.55	2.52	2.38	2.03	dependent
771058 AA427521		1.62	3.49	4.08	1.72	2.52	1.17	2.37	dependent
248997 H79979		9.39	7.36	23.7	12.13	2.52	3.22	1.95	partial
415707 W84663		13.79	24.97	34.69	32.12	2.52	1.39	1.08	independent
272288 N35603		2	1.35	5.05	2.07	2.52	3.75	2.43	dependent
276412 N40188		3.79	4.38	9.56	5.94	2.52	2.18	1.61	partial
396229 AA757847		1	1	2.52	1	2.52	2.52	2.52	dependent
295770 N66933		24.66	30.02	62.19	53.61	2.52	2.07	1.16	independent
810282 AA464067		19.55	8.17	49.01	26.96	2.51	6	1.82	partial
202621 H53791		2.57	2.26	6.46	4.64	2.51	2.86	1.39	partial
366933 AA027317		2.13	2.82	5.34	4.61	2.51	1.89	1.16	independent
49315 H15366		1.52	1	3.81	4.49	2.51	3.81	0.85	independent
593840 AA166810		10.63	6.49	26.71	23.89	2.51	4.12	1.12	independent
340994 W57872		25.86	51.64	64.88	80.3	2.51	1.26	0.81	independent
258969 N31645		1.44	1.65	3.61	2.43	2.51	2.19	1.49	partial
135338 R32478		13.42	24.43	33.69	23.6	2.51	1.38	1.43	partial
198866 H82872		8.68	11.26	21.74	23.42	2.51	1.93	0.93	independent
245010 N52641		7.42	9.13	18.58	15.41	2.51	2.04	1.21	independent
784035 AA443722		86.25	128.18	216.49	206.42	2.51	1.69	1.05	independent
219717 H80032		1.14	1.4	2.87	1	2.51	2.04	2.87	dependent
198023 R96478		1.84	1.83	4.64	5.65	2.51	2.54	0.82	independent
284076 N53406		11.88	18.88	29.8	42.28	2.51	1.58	0.7	independent
198312 R94191		46.32	22.14	115.98	124.84	2.5	5.24	0.93	independent
132871 R27505		4.82	3.02	12.04	14.81	2.5	3.98	0.81	independent
279905 N38860		10.52	4.97	26.34	15.05	2.5	5.3	1.75	partial
781444 AA428604		62.19	65.49	155.64	99.82	2.5	2.38	1.56	partial
782541 AA448486		1	1.38	2.5	1.01	2.5	1.81	2.47	dependent
51606 H18936		1.97	3.11	4.94	3.01	2.5	1.59	1.64	partial
277714 N49577		1.01	1.02	2.53	1	2.5	2.48	2.53	dependent
281275 N47858		2.22	1.24	5.53	3.79	2.5	4.48	1.46	partial
813284 AA455933		2.78	1.64	6.96	4.29	2.5	4.25	1.62	partial
666502 AA233075		3.39	4.34	8.46	4.55	2.5	1.95	1.86	partial
27098 R36989		1.04	1	2.59	1.1	2.5	2.59	2.36	dependent
290142 N63278		2.07	1.87	5.19	6.63	2.5	2.78	0.78	independent
666359 AA232206		3.94	6.49	9.85	6.8	2.5	1.52	1.45	partial
206272 H58542		17.04	10.3	42.64	10.52	2.5	4.14	4.05	dependent
173087 H20676		24	17.43	59.93	25.34	2.5	3.44	2.36	dependent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
296788	N74075	222.89	272.69	5.05	13.8	50.0	50.0	2.7	partial
299412	N76101	277.57	251.21	8.87	30.63	33.3	25.0	3.4	partial
814584	AA480894	60.59	38.75	1.59	2.19	33.3	25.0	1.4	independent
262231	H99170	44.22	15.51	1.79	4.61	25.0	8.3	2.6	partial
825847	AA504780	46.98	21.59	1.8	3.39	25.0	12.5	1.9	independent
248371	N72623	25.89	18.28	1.4	7.59	20.0	12.5	5.6	partial
744360	AA621183	94.28	152.53	4.63	39.78	20.0	33.3	8.3	partial
826133	AA521345	19.66	11.82	1.06	1.97	20.0	11.1	1.9	independent
741919	AA402040	37.56	33.44	2.03	10.66	20.0	16.7	5.3	partial
345616	W72431	119.01	94.51	6.82	26.35	16.7	14.3	3.8	partial
133454	R27457	180.26	158.21	10.37	9.72	16.7	14.3	0.9	independent
34345	R44163	110.22	123.51	6.48	23.98	16.7	20.0	3.7	partial
731469	AA412417	172.78	198.17	10.31	20.72	16.7	20.0	2.0	independent
1239859	AA705981	111.73	57.94	6.59	12.45	16.7	9.1	1.9	independent
210522	H65034	82.23	46.05	5.59	10.16	14.3	8.3	1.8	independent
290753	N67639	126.09	120.25	8.57	27.74	14.3	14.3	3.2	partial
731308	AA416759	261.04	190.2	17.92	45.08	14.3	11.1	2.5	partial
767823	AA418728	130.4	82.53	9.76	24.42	14.3	8.3	2.5	partial
811954	AA456635	58.29	45.06	4.01	3.68	14.3	11.1	0.9	independent
53265	R16157	183	197.17	12.59	26.14	14.3	16.7	2.1	partial
322218	W37993	15.28	13.33	1	1.3	14.3	12.5	1.3	independent
204614	H56918	399.94	378.68	32.06	92.84	12.5	12.5	2.9	partial
80338	T65736	133.8	120.33	11.09	14.6	12.5	11.1	1.3	independent
270786	N29800	42.5	40.68	3.28	15.68	12.5	12.5	4.8	partial
39453	R51631	68.05	58.95	5.63	7.24	12.5	10.0	1.3	independent
124474	R01101	53.16	30.3	4.49	6.62	12.5	6.7	1.5	independent
149544	H00292	23.64	17.28	1.86	5.78	12.5	9.1	3.1	partial
878231	AA775774	35	32.92	2.71	11.97	12.5	12.5	4.3	partial
359933	AA035620	404.42	276.38	36.37	184.57	11.1	7.7	5.0	partial
323371	W42849	160.83	173.31	15.24	59.5	11.1	11.1	3.8	partial
296640	N73991	17.54	13.29	1.52	2.95	11.1	9.1	2.0	independent
490232	AA121313	15.97	11.99	1.48	1	11.1	8.3	0.7	independent
744362	AA621184	92.64	96.08	8.27	23.11	11.1	11.1	2.8	partial
48167	H12254	202.53	160.83	18.65	43.47	11.1	8.3	2.3	partial
767843	AA418743	104.16	69.98	9.77	26.12	11.1	7.1	2.7	partial
768997	AA424754	134.78	188.87	12.75	44.65	11.1	14.3	3.4	partial
48662	H14988	92.42	99.79	8.72	29.47	11.1	11.1	3.3	partial
785910	AA449481	58.63	41.04	5.1	8.83	11.1	8.3	1.7	independent
796624	AA460530	40.69	45.06	3.72	3.58	11.1	12.5	1.0	independent
461098	AA701168	173.11	240.01	15.73	102.77	11.1	14.3	6.7	dependent
325062	W47073	10.23	4.32	1	1.1	10.0	4.3	1.1	independent
183120	H42967	201.48	132.43	19.74	47.18	10.0	6.7	2.4	partial
193987	R83879	29.58	24	3.04	6.42	10.0	7.7	2.1	partial
50615	H17513	251.62	236.98	25.58	63.59	10.0	9.1	2.5	partial

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+LYS vs LPA	PI3K dependency
46827	H10045	510.14	907.25	49.04	255.52	10.0	20.0	5.3	dependent
731445	AA412443	14.69	12.82	1.46	7.13	10.0	9.1	5.0	dependent
48725	H16467	133.07	114.61	13.17	22.02	10.0	9.1	1.7	independent
825647	AA504654	15.97	10.01	1.54	4.96	10.0	6.7	3.2	partial
261836	H98856	10.31	7.98	1.17	3.84	9.1	6.7	3.3	partial
291255	N72215	10.51	7.82	1.18	2.32	9.1	6.7	2.0	independent
25517	R17765	28.91	51.51	3.17	14.3	9.1	16.7	4.5	dependent
73600	T55608	96.29	60.37	10.46	10.66	9.1	5.9	1.0	independent
251452	H97993	385.58	486.3	41.82	92.32	9.1	11.1	2.2	partial
271855	N35222	64.3	44.52	7.33	18.14	9.1	6.3	2.5	partial
786602	AA478470	215.09	127.35	24.68	36.05	9.1	5.3	1.5	independent
201705	R99918	102.42	50.67	11.63	12.13	9.1	4.3	1.0	independent
897978	AA598861	53.46	61.28	5.8	46.11	9.1	11.1	7.7	dependent
430153	AA010158	21.98	19.07	2.62	6.89	8.3	7.1	2.6	partial
530814	AA070226	136.73	296.51	16.58	75.36	8.3	16.7	4.5	dependent
296095	N73611	17.83	10.63	2.21	1.96	8.3	4.8	0.9	independent
241658	H89843	13.4	18.27	1.59	2.91	8.3	11.1	1.9	independent
241880	H93249	68.28	63.25	8.26	21.55	8.3	7.7	2.6	partial
809738	AA454713	66.02	48.3	7.61	23.44	8.3	6.3	3.1	partial
839888	AA490046	211.43	239.84	26.24	93.06	8.3	9.1	3.6	partial
687551	AA234519	76.41	47.91	9.48	26.01	8.3	5.0	2.8	partial
814288	AA459008	83.87	122.53	10.35	54.6	8.3	12.5	5.3	dependent
461144	AA699741	103.03	156.99	12	72.37	8.3	12.5	5.9	dependent
417251	W87752	18.25	12.21	2.32	3.67	7.7	5.3	1.6	independent
81289	T60048	84.93	44.06	11.14	19.06	7.7	4.0	1.7	independent
151261	H02336	33.28	20.79	4.37	7.74	7.7	4.8	1.8	independent
428476	AA004484	30.65	21.34	3.91	8.69	7.7	5.6	2.2	partial
949939	AA599187	3521.07	2308.68	469.4	775.84	7.7	5.0	1.6	independent
52066	H24347	70.37	83.07	9.01	11.15	7.7	9.1	1.2	independent
594428	AA164676	75.48	76.03	9.57	22.67	7.7	7.7	2.4	partial
505491	AA156461	120.9	86.96	15.14	14.68	7.7	5.9	1.0	independent
838668	AA457235	178.66	282.52	22.98	123.29	7.7	12.5	5.3	dependent
627343	AA190785	52.21	55.78	6.76	9.86	7.7	8.3	1.4	independent
31759	R43008	215.02	123.45	27.78	38.67	7.7	4.3	1.4	independent
970271	AA775957	49.54	31.5	6.24	8.89	7.7	5.0	1.4	independent
813631	AA447739	813.14	634.43	108.19	251.52	7.7	5.9	2.3	partial
36354	R62444	9.73	9.96	1.24	2.06	7.7	8.3	1.7	independent
502397	AA156737	68.83	43.75	8.86	14.95	7.7	5.0	1.7	independent
826971	AA521366	71.85	63.02	9.57	38.23	7.7	6.7	4.0	dependent
450912	AA704693	65.36	92.44	8.62	37.47	7.7	11.1	4.3	dependent
815248	AA481271	10.88	10.74	1.46	2.88	7.7	7.1	2.0	independent
380890	AA058597	20.06	39.49	2.7	19.5	7.7	14.3	7.1	dependent
183337	H42679	7.96	3	1.13	1	7.1	2.6	0.9	independent
160793	H24707	56.76	43.17	8.11	13.33	7.1	5.3	1.6	independent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
200418	R97234	113.55	32.76	15.56	15.38	7.1	2.1	1.0	independent
320392	W16832	15.17	11.62	2.16	4.69	7.1	5.3	2.2	partial
120362	T95916	39.2	35.22	5.32	6.59	7.1	6.7	1.2	independent
773254	AA425853	147.79	89.67	21	37.67	7.1	4.3	1.8	independent
505579	AA147056	55.95	38.97	7.72	14.42	7.1	5.0	1.9	independent
129227	R11047	220.03	172	29.79	70.9	7.1	5.9	2.4	partial
80318	T64452	86.18	86.96	12.46	19.03	7.1	7.1	1.5	independent
769603	AA425908	140.04	130.93	19.99	27.9	7.1	6.7	1.4	independent
1030791	AA609009	53.64	24.52	7.31	8.62	7.1	3.3	1.2	independent
73009	T57269	86.75	103.72	12.47	29.45	7.1	8.3	2.4	partial
278243	N63575	102.64	65.87	14.87	24.51	7.1	4.3	1.6	independent
781061	AA446479	27.57	28.28	3.88	9.67	7.1	7.1	2.5	partial
1405689	AA890663	668.04	583.25	90.26	46.54	7.1	6.7	0.5	independent
31972	R43020	117.05	102.1	16.93	21.94	7.1	5.9	1.3	independent
308038	N95260	49.42	31.91	6.82	13.57	7.1	4.8	2.0	independent
509701	AA058369	54.63	48.33	7.78	23.38	7.1	6.3	3.0	partial
784276	AA447480	174.42	184.65	25.02	66.52	7.1	7.1	2.6	partial
826254	AA520978	205.04	287.91	30.24	81.08	6.7	9.1	2.7	partial
625458	AA181149	128.26	140.97	19.22	40.78	6.7	7.1	2.1	partial
773479	AA427899	268.38	68.79	40.96	26.21	6.7	1.7	0.6	independent
489444	AA054542	73.26	55.86	10.92	16	6.7	5.0	1.5	independent
31740	R41973	83.43	62.5	12.27	15.5	6.7	5.0	1.3	independent
47418	H11063	104.34	118.29	15.93	36.08	6.7	7.7	2.3	partial
291091	N67678	71.94	81.84	10.56	32.38	6.7	7.7	3.0	partial
179143	H50107	43.43	42.59	6.7	19.93	6.7	6.3	2.9	partial
35626	R45292	231.77	207.4	34.96	41.1	6.7	5.9	1.2	independent
505203	AA151125	227.31	250.84	34.57	60.29	6.7	7.1	1.8	independent
768217	AA424905	263.52	186.74	39.46	101.12	6.7	4.8	2.6	partial
785913	AA449490	42.8	34.5	6.44	5.15	6.7	5.3	0.8	independent
812069	AA455994	159.54	101.23	23.74	23.82	6.7	4.3	1.0	independent
260216	N32095	37.43	36.65	5.72	8.99	6.7	6.3	1.6	independent
230380	H80258	68.31	61.11	9.93	13.02	6.7	6.3	1.3	independent
1031363	AA609134	43.16	48.73	6.26	12.01	6.7	7.7	1.9	independent
247446	N58052	27.7	41.14	4.17	7.95	6.7	10.0	1.9	independent
50887	H19201	65.34	88.71	9.55	60.81	6.7	9.1	6.3	dependent
700724	AA285128	37.33	18.69	5.72	27.29	6.7	3.2	4.8	dependent
753914	AA479093	106.62	95.44	17.51	34.17	6.3	5.6	2.0	independent
306901	N91952	32.66	26.99	5.13	10.69	6.3	5.3	2.1	partial
204614	H56918	233.1	196.97	36.33	114.99	6.3	5.6	3.1	dependent
276519	N39101	135.85	93.84	22.24	36.78	6.3	4.2	1.7	independent
511459	AA115310	2890.14	1836.7	460.51	555.07	6.3	4.0	1.2	independent
265716	N24732	115.48	120.01	18.6	31.88	6.3	6.7	1.7	independent
843265	AA488663	271.43	276.68	43.92	100.99	6.3	6.3	2.3	partial
726703	AA398264	83.99	93.18	13.84	30.33	6.3	6.7	2.2	partial

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
23908	R38387	46.48	66.86	7.24	15.68	6.3	9.1	2.2	partial
753940	AA479106	363.59	473.63	58.71	149.43	6.3	8.3	2.6	partial
882522	AA676466	2608.04	2725.04	412.81	721.87	6.3	6.7	1.8	independent
611150	AA173109	1223.65	852.78	194.33	442.75	6.3	4.3	2.3	partial
44075	H06236	8.61	8.67	1.37	3.02	6.3	6.3	2.2	partial
434768	AA701860	764.93	1340.08	122.08	400.21	6.3	11.1	3.2	dependent
784183	AA446661	1070.17	744.99	173.02	115.46	6.3	4.3	0.7	independent
42636	R61780	11.58	9.65	1.9	1.24	6.3	5.0	0.7	independent
627002	AA190843	372.59	218.72	60.89	107.05	6.3	3.6	1.8	independent
629498	AA192765	61.68	33.64	9.76	22.43	6.3	3.4	2.3	partial
767441	AA417946	50.93	76.58	7.97	10.89	6.3	10.0	1.4	independent
449384	AA777435	22.73	20.14	3.63	6.03	6.3	5.6	1.7	independent
194061	H50582	24.99	20.54	4.37	12.13	5.9	4.8	2.8	partial
136235	R33755	498.58	348.79	82.74	146.62	5.9	4.2	1.8	independent
346117	W77927	9.11	10.15	1.52	3.12	5.9	6.7	2.0	partial
50988	H18435	76.43	106.17	13.21	23.36	5.9	8.3	1.8	independent
756533	AA436440	156.41	121.42	26.77	35.47	5.9	4.5	1.3	independent
33603	R43873	55.66	83.56	9.61	20.31	5.9	8.3	2.1	partial
40178	R53578	66.94	82.67	11.28	9.34	5.9	7.1	0.8	independent
81316	T60061	315.05	459.45	53.04	167.4	5.9	8.3	3.1	dependent
756502	AA443998	89.24	71.55	14.78	46.42	5.9	4.8	3.1	dependent
51460	H20847	50.61	42.62	8.83	28.18	5.9	4.8	3.2	dependent
1492230	AA875933	77.72	82.9	13.15	24.73	5.9	6.3	1.9	independent
31261	R42864	46.46	34.89	7.69	6.86	5.9	4.5	0.9	independent
345876	W72020	43.51	54.48	7.34	12.41	5.9	7.7	1.7	independent
627211	AA195398	30.33	27.08	5.1	6.1	5.9	5.3	1.2	independent
565624	AA127419	33.31	43.25	5.8	16.7	5.9	7.7	2.9	partial
195162	R91954	51	33.16	8.61	8.4	5.9	3.8	1.0	independent
754628	AA436252	101.09	720.64	17.15	198.23	5.9	50.0	11.1	dependent
41905	R59601	65.42	47.71	11.3	18.44	5.9	4.2	1.6	independent
42018	R59615	14.2	15.03	2.4	6.85	5.9	6.3	2.9	partial
729953	AA412049	51.13	27.1	8.63	12.66	5.9	3.1	1.5	independent
843220	AA488443	90.63	68.97	15.65	34.24	5.9	4.3	2.2	partial
814303	AA459106	345.03	358.34	58.88	61.24	5.9	6.3	1.0	independent
451732	AA707671	23.77	18.81	4.14	7.83	5.9	4.5	1.9	independent
250678	H95976	441.43	485.94	76.18	220.1	5.9	6.3	2.9	partial
345208	W72322	62.35	35.57	11.19	14.87	5.6	3.2	1.3	independent
321739	W33021	11.76	12.01	2.12	5.31	5.6	5.6	2.5	partial
754436	AA410207	13.22	9.43	2.35	4.85	5.6	4.0	2.0	partial
284619	N64800	62.1	72.11	11.19	14.14	5.6	6.3	1.3	independent
756627	AA481480	300.16	485.32	54.71	46.12	5.6	9.1	0.8	independent
435036	AA700054	49.83	32.87	9.01	16.86	5.6	3.7	1.9	independent
50722	H17520	12.81	13.35	2.29	5.02	5.6	5.9	2.2	partial
324715	W47362	21.38	7.07	3.91	2.68	5.6	1.8	0.7	independent

TABLE 2

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Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+LYS vs LPA	PI3K dependency
795322	AA454165	39.48	52.11	7.15	24.09	5.6	7.1	3.3	dependent
855624	AA664101	81.53	81.74	14.82	23.87	5.6	5.6	1.6	independent
269923	N24894	125.98	64.75	22.07	42.7	5.6	2.9	1.9	independent
263084	H99829	45.27	78.19	8.19	18.68	5.6	10.0	2.3	partial
1466844	AA885433	24.81	22.42	4.37	6.22	5.6	5.0	1.4	independent
853570	AA663439	634.75	921.9	116.9	459.04	5.6	7.7	4.0	dependent
510575	AA057742	129.36	166.39	23.2	41.02	5.6	7.1	1.8	independent
784190	AA446655	19.71	11.05	3.56	3.08	5.6	3.1	0.9	independent
897656	AA496796	215.91	244.82	39.42	106.46	5.6	6.3	2.7	partial
731020	AA421258	119.18	127.1	21.24	29.67	5.6	5.9	1.4	independent
37598	R51080	10.52	12.68	1.92	1.78	5.6	6.7	0.9	independent
686594	AA255900	76.49	111.53	13.62	69.38	5.6	8.3	5.0	dependent
320834	W38657	43.07	46.65	8.23	15.2	5.3	5.6	1.9	independent
838373	AA458801	33.95	21.38	6.51	6.69	5.3	3.3	1.0	independent
415215	W95063	40.84	56.42	7.56	32.52	5.3	7.7	4.3	dependent
415700	W85697	12.37	4.54	2.39	2.28	5.3	1.9	1.0	independent
120561	T95200	37.82	61.59	7.19	19.06	5.3	8.3	2.6	dependent
201274	R99407	50.63	47.95	9.63	15.36	5.3	5.0	1.6	independent
201483	R97251	16.19	16.89	3.11	6.04	5.3	5.6	1.9	independent
666658	AA232979	65.21	62.33	12.34	20.58	5.3	5.0	1.7	independent
357396	W93847	24.72	22	4.74	15.46	5.3	4.5	3.2	dependent
79726	T62552	62.79	83.76	11.66	33.29	5.3	7.1	2.9	dependent
460114	AA676840	11.77	10.81	2.22	1.66	5.3	4.8	0.7	independent
154472	R54846	49.94	71.16	9.71	7.13	5.3	7.1	0.7	independent
416039	W85782	73.71	89.47	14.05	38.75	5.3	6.3	2.8	dependent
84264	T72850	69.95	75.57	13.23	40.33	5.3	5.6	3.0	dependent
132072	R26046	57.41	23.54	11.14	8.82	5.3	2.1	0.8	independent
843263	AA488652	469.46	465.94	88.12	182.3	5.3	5.3	2.1	partial
260142	N32057	36.53	39.37	6.99	14.13	5.3	5.6	2.0	independent
305920	N90419	11.57	30.77	2.23	6.9	5.3	14.3	3.1	dependent
203003	H54417	248.84	174.16	47.26	67.24	5.3	3.7	1.4	independent
30574	R42177	39.95	35.06	7.66	10.43	5.3	4.5	1.4	independent
327480	W20462	48.13	33.66	9.33	15.31	5.3	3.6	1.6	independent
742695	AA400297	93.18	117.23	17.77	32.78	5.3	6.7	1.9	independent
824923	AA489028	112.58	88.06	21.11	34.27	5.3	4.2	1.6	independent
284583	N64780	140.37	135.83	26.73	57.05	5.3	5.0	2.1	partial
824510	AA490522	7.52	6.14	1.42	9.85	5.3	4.3	7.1	dependent
826256	AA520979	48.27	111.99	9.03	67.48	5.3	12.5	7.7	dependent
897720	AA598982	24.29	32.5	4.63	16.99	5.3	7.1	3.7	dependent
137195	R36135	38.17	60.96	7.23	33.1	5.3	8.3	4.5	dependent
418185	W90522	40.01	13.73	7.95	10.86	5.0	1.7	1.4	independent
897814	AA598527	46.19	46.16	9.24	15.43	5.0	5.0	1.7	independent
240249	H89664	8.75	3.75	1.72	3.18	5.0	2.2	1.9	independent
745347	AA625666	13.04	14.4	2.65	2.71	5.0	5.6	1.0	independent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+LYS vs LPA	PI3K dependency
277189	N40953	25.28	31.1	5.03	7.57	5.0	6.3	1.5	independent
41230	R58954	17.27	18.58	3.39	6.96	5.0	5.6	2.0	partial
41358	R59167	67.27	63.99	13.33	27.97	5.0	4.8	2.1	partial
795837	AA461511	50.35	48.85	9.88	18.49	5.0	5.0	1.9	independent
347035	W81135	44.21	30.62	8.8	9.55	5.0	3.4	1.1	independent
430172	AA010247	80.52	66.49	15.76	19.86	5.0	4.2	1.3	independent
24623	R37580	77.08	76.48	15.65	22	5.0	5.0	1.4	independent
726768	AA398366	40.28	20.07	8.22	6.57	5.0	2.4	0.8	independent
786550	AA452125	99.9	84.04	20.25	56.05	5.0	4.2	2.8	dependent
358200	W95409	48.09	45.62	9.82	11.13	5.0	4.5	1.1	independent
731311	AA416767	67.8	29.58	13.35	10.9	5.0	2.2	0.8	independent
43090	R61289	15.93	22.03	3.2	11.18	5.0	6.7	3.4	dependent
293729	N63835	123.53	133.9	24.22	63.06	5.0	5.6	2.6	dependent
294926	N71461	5.04	1	1	3.49	5.0	1.0	3.4	dependent
741790	AA402965	85.02	140.55	17.18	60.17	5.0	8.3	3.4	dependent
811088	AA485795	31.13	49.68	6.51	14.26	4.8	7.7	2.2	partial
135240	R31512	18.88	20.36	3.96	8.08	4.8	5.3	2.0	partial
26162	R39763	10.34	9.53	2.17	6.46	4.8	4.3	2.9	dependent
51338	H20814	14.89	16.67	3.18	10.33	4.8	5.3	3.2	dependent
742776	AA400188	41.04	94.61	8.67	20.29	4.8	11.1	2.3	partial
44361	H05826	143.89	148.55	30.46	79.3	4.8	4.8	2.6	dependent
1387760	AA838691	75.17	98.23	15.79	36.54	4.8	6.3	2.3	partial
950450	AA599094	483.93	392.69	102.4	153.89	4.8	3.8	1.5	independent
841386	AA487527	300.14	394.36	61.9	119.17	4.8	6.3	1.9	independent
838872	AA481794	33.11	4.86	6.86	4.11	4.8	0.7	0.6	independent
813629	AA447738	923.48	702.01	197.29	231.89	4.8	3.6	1.2	independent
257382	N30699	324.65	379.79	66.64	72.22	4.8	5.6	1.1	independent
196259	R92602	28.3	24.97	5.95	7.21	4.8	4.2	1.2	independent
813384	AA458622	15.14	14.1	3.22	6.3	4.8	4.3	2.0	independent
796263	AA460833	57.39	44.58	11.8	14.5	4.8	3.8	1.2	independent
325513	W52248	1704.28	1510.7	361.44	536.85	4.8	4.2	1.5	independent
785337	AA476502	7.92	11.88	1.66	3.26	4.8	7.1	2.0	independent
838366	AA458779	53.66	44.17	11.02	20.43	4.8	4.0	1.9	independent
280371	N47111	15.2	24.79	3.21	10.39	4.8	7.7	3.2	dependent
814739	AA454928	4.67	3.43	1	4.67	4.8	3.4	4.8	dependent
454698	AA677200	20.08	21.08	4.14	6.77	4.8	5.0	1.6	independent
397432	AA701046	40.1	50.44	8.39	25.45	4.8	5.9	3.0	dependent
815549	AA456827	128.93	135.25	27.62	43.21	4.8	5.0	1.6	independent
884414	AA773068	12.26	11.34	2.58	10.26	4.8	4.3	4.0	dependent
138917	R62862	28.14	31.84	6.15	9.89	4.5	5.3	1.6	independent
204545	H58644	60.49	86.09	13.51	27.84	4.5	6.3	2.0	partial
322961	W45165	37.15	26.61	8.06	12.1	4.5	3.3	1.5	independent
741139	AA402207	41.36	27.37	9.1	9.18	4.5	3.0	1.0	independent
131839	R24635	45.37	14.83	9.97	4.45	4.5	1.5	0.4	independent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
628357	AA196000	23.88	9.06	5.32	4.17	4.5	1.7	0.8	independent
502527	AA156873	4.51	4.69	1	1.31	4.5	4.8	1.3	independent
22374	T82459	23.85	14.79	5.2	8.63	4.5	2.9	1.7	independent
41495	R54073	33.53	23.95	7.27	5.32	4.5	3.3	0.7	independent
291827	N72976	61.46	59.62	13.33	8.62	4.5	4.5	0.6	independent
503338	AA130187	38.99	38.3	8.59	30.72	4.5	4.5	3.6	dependent
347613	W81504	27.58	29.27	5.99	6.81	4.5	5.0	1.1	independent
340949	W57818	6.68	10.05	1.48	2.71	4.5	6.7	1.9	independent
73475	T55446	130.94	112.29	28.46	30.47	4.5	4.0	1.1	independent
415229	W91879	288.66	524.29	64.84	189.14	4.5	8.3	2.9	dependent
79592	T62865	101.45	141.17	22.04	64.53	4.5	6.3	2.9	dependent
283190	N51357	6.05	8.99	1.33	5.27	4.5	6.7	4.0	dependent
415851	W86282	50.46	72.51	11.01	45.03	4.5	6.7	4.2	dependent
594031	AA169444	146.58	90.56	32.24	27.41	4.5	2.8	0.8	independent
255261	N23877	41.86	43.05	9.28	14.55	4.5	4.5	1.6	independent
39577	R51889	22.6	16.86	5.06	4.33	4.5	3.3	0.9	independent
279720	N49065	83.8	77.85	18.45	20.26	4.5	4.2	1.1	independent
376697	AA046618	60.72	58.68	13.29	22.82	4.5	4.3	1.7	independent
781145	AA446188	24.47	20.46	5.49	6.97	4.5	3.7	1.3	independent
810209	AA464522	42.07	25.53	9.17	16.84	4.5	2.8	1.9	independent
233759	H64591	41.02	44.58	9.07	7.35	4.5	5.0	0.8	independent
768064	AA418907	36.47	64.43	8.05	22.72	4.5	8.3	2.9	dependent
813637	AA447742	589.39	501.92	127.37	114.45	4.5	4.0	0.9	independent
42485	R59977	15.28	11.26	3.42	1.57	4.5	3.3	0.5	independent
812128	AA455339	40.03	29.9	8.64	9.5	4.5	3.4	1.1	independent
754625	AA436260	38.78	46.98	8.64	22.1	4.5	5.6	2.6	dependent
782501	AA431772	49.85	60.59	10.8	39.4	4.5	5.6	3.7	dependent
701710	AA287097	54.77	43.35	12.12	12.87	4.5	3.6	1.1	independent
843312	AA489555	16.8	17.85	3.92	9.26	4.3	4.5	2.4	dependent
133519	R28614	10.49	8.49	2.41	4	4.3	3.6	1.7	independent
143790	R76782	28.19	46.23	6.59	15.04	4.3	7.1	2.3	dependent
713922	AA290737	31.07	26.61	7.02	9.62	4.3	3.8	1.4	independent
121220	T97183	10.55	7.54	2.43	9.91	4.3	3.1	4.0	dependent
429186	AA005112	22.05	19.35	5	10.71	4.3	3.8	2.1	partial
248642	N59534	26.42	12.31	6	4.79	4.3	2.0	0.8	independent
430252	AA010375	10.33	13.68	2.42	1.42	4.3	5.6	0.6	independent
71863	T52564	9.67	10.81	2.18	2.68	4.3	5.0	1.2	independent
72666	T50389	251.54	313.31	58.03	143.85	4.3	5.3	2.5	dependent
855395	AA664009	585.01	625.45	137.15	315.61	4.3	4.5	2.3	dependent
782688	AA447593	13.3	11.74	3.03	4.56	4.3	3.8	1.5	independent
587992	AA130596	204.44	98.01	47.78	71.82	4.3	2.0	1.5	independent
811893	AA454980	96.42	70.03	22.63	15.15	4.3	3.1	0.7	independent
730942	AA417373	24.75	23.02	5.61	8.38	4.3	4.2	1.5	independent
263047	N20045	23.8	24.32	5.46	8.07	4.3	4.5	1.5	independent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave- OVCAR3	Ave-LYS	Ave-LPA	Ave- LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+ LYS vs LPA	PI3K dependency
399604	AA733203	139.28	139.12	32.28	81.69	4.3	4.3	2.5	dependent
812074	AA455988	151.4	117.19	34.59	32.03	4.3	3.3	0.9	independent
796495	AA460234	7.55	7.25	1.73	3.33	4.3	4.2	1.9	independent
416113	W85900	20.5	20.33	4.66	14.29	4.3	4.3	3.0	dependent
213607	H72098	16.5	8.99	3.82	2.41	4.3	2.3	0.6	independent
450949	AA704729	51.9	77.58	11.88	10.34	4.3	6.7	0.9	independent
725746	AA399410	90.4	89.12	21.23	30.85	4.3	4.2	1.4	independent
290370	N62301	10.73	21.44	2.44	5.82	4.3	9.1	2.4	dependent
321807	W33182	136.63	111.82	30.98	43.5	4.3	3.6	1.4	independent
704277	AA279422	23.66	26.18	5.47	14.7	4.3	4.8	2.7	dependent
295446	N76084	8.32	5.27	1.92	3.2	4.3	2.8	1.7	independent
295473	N74911	123.54	122.82	28.28	89.44	4.3	4.3	3.1	dependent
108378	T77729	5.96	6.16	1.38	7.15	4.3	4.5	5.3	dependent
815536	AA457039	4.81	6.26	1.13	6.65	4.3	5.6	5.9	dependent
344282	W70189	55.92	38.66	13.65	21.91	4.2	2.9	1.6	independent
40844	R55786	17.99	14.83	4.23	6.79	4.2	3.4	1.6	independent
361943	AA001444	136.18	221.27	32.93	81.8	4.2	6.7	2.5	dependent
175103	H39187	139.75	183.8	33.01	67.67	4.2	5.6	2.0	partial
809513	AA454564	34.89	34.6	8.22	18.63	4.2	4.2	2.3	dependent
140716	R67042	41.86	9.91	9.95	27.05	4.2	1.0	2.7	dependent
127841	R08829	37.15	16.28	8.91	20.67	4.2	1.8	2.3	dependent
131318	R23056	18.39	12.45	4.35	3.6	4.2	2.9	0.8	independent
162199	H26426	74.9	112.63	18.33	42.36	4.2	6.3	2.3	dependent
74738	T57359	167.16	151.29	39.35	43.93	4.2	3.8	1.1	independent
609111	AA176911	70.9	105.8	17.26	49.64	4.2	6.3	2.9	dependent
280249	N49209	7.4	9.54	1.81	2.34	4.2	5.3	1.3	independent
33621	R44090	18.41	6.23	4.39	3.77	4.2	1.4	0.9	independent
283315	N45318	12.65	4.64	3.04	3.88	4.2	1.5	1.3	independent
435611	AA703187	36.5	45.38	8.83	27.34	4.2	5.3	3.1	dependent
299723	N75055	1109.32	1024.2	268.25	258.46	4.2	3.8	1.0	independent
796665	AA461487	92.04	59.82	22.42	23.79	4.2	2.7	1.1	independent
277579	N34530	27.1	35.46	6.61	7.53	4.2	5.3	1.1	independent
39442	R51617	22.31	29.99	5.33	5.46	4.2	5.6	1.0	independent
788575	AA452877	39.64	52.38	9.45	19.26	4.2	5.6	2.0	partial
788620	AA449813	98.65	104.06	23.31	43.83	4.2	4.5	1.9	independent
38350	R49442	65.3	55.32	15.65	22.85	4.2	3.6	1.5	independent
796227	AA460669	16.73	11.71	3.96	2.97	4.2	2.9	0.8	independent
743560	AA609439	43.84	45.01	10.68	18.08	4.2	4.2	1.7	independent
595181	AA173408	91.54	202.51	22.04	36.08	4.2	9.1	1.6	independent
701806	AA292721	12.33	7.6	2.9	3.42	4.2	2.6	1.2	independent
212499	H69567	11.19	13.23	2.65	5.7	4.2	5.0	2.2	dependent
713251	AA282965	4.16	1.19	1	5.94	4.2	1.2	5.9	dependent
321580	W32884	62.93	73.06	15.48	24.92	4.0	4.8	1.6	independent
592359	AA143649	67.28	59.74	16.68	18.13	4.0	3.6	1.1	independent

TABLE 2

A	B	C	D	E	F	G	H	I	J
Image Clone ID	Gen Bank Accession Number	Ave-OVCAR3	Ave-LYS	Ave-LPA	Ave-LPA+LYS	UpinOVC AR3 vs LPA	UpinLYS vs LPA	UpinLPA+LYS vs LPA	PI3K dependency
46182	H09614	105.31	33.73	26.56	14.64	4.0	1.3	0.6	independent
429704	AA011654	61.77	47.47	15.74	32.21	4.0	3.0	2.0	dependent
75475	T57637	77.05	123.67	19.24	40.67	4.0	6.3	2.1	dependent
51631	H20543	54.72	46.16	13.77	30.59	4.0	3.3	2.2	dependent
51547	H20825	23.38	19.39	5.81	6.75	4.0	3.3	1.2	independent
897593	AA496886	8.94	21.02	2.28	15	4.0	9.1	6.7	dependent
629542	AA193025	31.03	14.78	7.91	6.46	4.0	1.9	0.8	independent
46129	H09529	9.92	21.94	2.45	16.68	4.0	9.1	6.7	dependent
454440	AA677306	18.62	19.18	4.57	4.69	4.0	4.2	1.0	independent
223350	H86554	289.92	261.92	72.37	148.76	4.0	3.6	2.0	dependent
50904	H19234	11.72	12.53	2.88	11.24	4.0	4.3	3.8	dependent
669379	AA236798	34.37	70.54	8.68	16.06	4.0	8.3	1.9	independent
1461737	AA884403	41.94	40.76	10.29	18.85	4.0	4.0	1.8	independent
784143	AA432090	62.63	56.31	15.37	33.95	4.0	3.7	2.2	dependent
772925	AA479933	105.5	95.04	26.09	33.69	4.0	3.7	1.3	independent
132637	R26792	73.03	79.13	18.61	66.05	4.0	4.2	3.6	dependent
785897	AA449474	9.06	4.94	2.24	2.61	4.0	2.2	1.2	independent
813639	AA447743	14.05	15.31	3.57	4.85	4.0	4.3	1.4	independent
594946	AA172039	286.41	323.03	70.62	60.09	4.0	4.5	0.8	independent
129777	R16983	256.62	244.99	64.42	86.43	4.0	3.8	1.3	independent
127751	R09725	89.29	90.7	22.51	36.97	4.0	4.0	1.6	independent
357940	W99364	114.75	90.37	28.59	44.76	4.0	3.1	1.6	independent
843276	AA488658	492.25	559.81	124.47	267.15	4.0	4.5	2.1	dependent
788488	AA452542	5.98	5.26	1.52	3.99	4.0	3.4	2.6	dependent
38072	R49013	22.18	27.04	5.59	14.97	4.0	4.8	2.7	dependent
281802	N48089	40.36	51.12	10.16	11.72	4.0	5.0	1.1	independent
44292	H06273	3012.03	2664.84	744.66	1373.04	4.0	3.6	1.9	independent
784306	AA447083	4.01	2.45	1	1	4.0	2.4	1.0	independent
785342	AA476494	293.19	609.55	74.54	163.18	4.0	8.3	2.2	dependent
450213	AA703536	412.54	291.66	101.14	143.32	4.0	2.9	1.4	independent
277761	N49605	9.44	9.36	2.34	3.04	4.0	4.0	1.3	independent
289916	N59330	44.51	32.38	11.11	39.13	4.0	2.9	3.6	dependent
744905	AA625788	97.3	99.8	23.9	53	4.0	4.2	2.2	dependent
824479	AA490338	18.65	11.91	4.69	8.65	4.0	2.6	1.9	independent